Key concept 1 and key study

Everyone likes a special offer – but why do shops and brands do them? Surely such offers reduce of One! Big Discounts Today Only! Buy One Get One Free! 50% off! Two for the Price

good about the brand longer term because they encourage loyalty and repeat business. They do this by making us feel he answer is that special offers are good in the

time you see it you'll feel good about it again even if it is full price. You might even feel good about the shop as well and decide to shop there again. cheaper in a shop it makes you feet good to think you've grabbed yourself a bargain. You associate this good feeling with the product, so that next When a chocolate bar or bottle of wine is 30%

understand the psychological principles behind this love their products. This spread will help you to Retailers use lots of ways to make us learn to



ecification terms

is associated with an unconditioned stimulus, taking on its properties so that a new stimulus-response is learned Classical conditioning A form of learning where a neutral stimulus

produces the UCR (which is now called the CR). its own. A new association has been formed so that the NS now Conditioned stimulus (CS) A stimulus that only produces the Conditioned response (CR) The response produced by the CS or

desired response after pairing with the UCS.

paired with the UCS. desired response. It becomes a conditioned stimulus after being Neutral stimulus (NS) Any stimulus that does not produce the

nucouditioned stimulus Unconditioned response (UCR) An unlearned response to an

response without learning taking place. **Unconditioned stimulus (UCS)** Any stimulus that produces a

Food (UCS) →
Salivation (UCR) Bell (NS) paired with food (UCS) → conditioning

> conditioning Bell (CS) → Alter















Key concept: Classical conditioning

but eventually produces the same response as the one produced by the UCS. repeatedly paired with a neutral stimulus (NS). Initially, the NS produces no response associate two stimuli with each other. An unconditioned (unlearned) stimulus (UCS) is (see diagram below left). It is learning through association. It takes place when we *Classical conditioning* is a form of learning first scientifically studied by Ivan Pavlov

Before conditioning

produce salivation. sound of a bell or of your name being spoken, a tap on the wrist, none of these will The UCS triggers an unlearned response. The smell of food is a good example of produce the target response (salivation in this example) is an NS. For example, the response so it is an *unconditioned response* (UCR). Any other stimulus that does not a UCS because it makes us salivate automatically. We do not have to learn this

During conditioning

to take place NS occurs just before the UCS. It usually has to happen several times for conditioning associate it with the UCS. Pairing has the strongest effect on conditioning when the ('pairing'). The NS is no longer 'neutral' when the person eventually learns to The individual repeatedly experiences the UCS and NS close together in time

After conditioning

conditioned response (CR) The NS is now a conditioned stimulus (CS) and the response it produces is called a After enough pairings, the NS (on its own) produces the same response as the UCS

Little Albert Key study: Watson and Rayner (1920) Conditioned emotional reaction -

fear can be learned through classical conditioning. John Watson and Rosalie Rayner wanted to show that emotional responses such as

the metal bar was struck (loud noise) whenever he reached out for the animal months later over several sessions. Albert was shown the white rat several times and a hammer to test his response to a loud noise. Classical conditioning began two a time (e.g. white rat, rabbit, masks, wooden blocks). A metal bar was struck with The participant was a baby boy called Albert. He was shown several objects one a

object (and no response to other objects). came towards him. He eventually cried as the rat approached and tried to crawl away. showed an unconditioned response (UCR) of fear to the loud noise (UCS) - he cried. In the first session Albert showed no fear responses to any of the stimuli. However, he In the third session he showed a conditioned fear response (CR) to each white furry In the second session, Albert showed clear avoidance of the rat, pulling away when it

but these became less extreme over time and when experienced in a different Albert continued to show a fear response to white furry objects in later sessions

Conclusions

stimuli without further conditioning (stimulus generalisation) that a fear response conditioned to one stimulus will generalise to other similar straightforward, at least in very young children. Watson and Rayner also concluded Classically conditioning a fear response to a neutral stimulus is relatively

> then it can be reduced or eliminated through counterconditioning. For pain rather than pleasure. given an electric shock so that they learn to associate gambling with example, each time a person reads a gambling-related phrase they are addiction. It works on the basis that if a behaviour can be conditioned, A useful application of classical conditioning is for treating gambling

Evaluation

Application to aversion therapy

discomfort (now a CR) shock produces an unconditioned response (UCR) of discomfort/anxiety. After several pairings, the NS becomes a CS and produces the same (UCS) when they read gambling-related phrases on cards (NS). The treat some psychological disorders, including gambling addiction One strength is that classical conditioning is the basis of a therapy used to In aversion therapy, a gambling addict is given a painful electric shock

reduce psychological suffering and improve quality of life. This shows that classical conditioning has useful applications that can

2. Describe one example of classical conditioning from everyday life. (2) State what is meant by the term 'classical conditioning'. (1) Exam-style questions

Incomplete explanation of learning

range of behaviours is learned (e.g. simple reflex behaviours) One weakness is that classical conditioning only explains how a limited

next two spreads). For example, classical conditioning can explain how a phobia is then maintained over time (e.g. how we learn to avoid dogs) phobia of dogs is acquired. But on its own it cannot account for how tha This means classical conditioning is just a partial explanation of learning More complex behaviours involve other learning processes (see the

Evaluation

Some good experimental controls

One strength of the study is that it was well-designed to control potentially extraneous variables.

prevent irrelevant stimuli (temperature, lighting, etc.) from influencing For instance, conditioning took place in a controlled environment to

responses were due to classical conditioning and not to other factors This meant Watson and Rayner knew that the changes in Albert's

Poor generalisability

One weakness is that Little Albert was the only participant in the study which limits the applicability of the findings.

babies. In other words, he was not representative of the population of Ihis in itself is quite unusual, so indicates that Albert was unlike most Albert was an emotionally stable baby who rarely cried or was afraid

little about classical conditioning of fear responses in other children Therefore, the findings of the study are not generalisable and tell us

GETACTIVE Say cheese

that most people blink the first couple of times the flash goes off. If she then takes a picture without the flash, they still blink whirring' noise when the picture is taken. Laila has noticed aila is a professional photographer. She often takes photos soft people indoors using a flash. The camera also makes a

Draw a diagram of the classical conditioning process in Identify the UCS, UCR, NS, CS and CR at the various stages this scenario. Include 'before', 'during' and 'after' stages.

without the flash, the blinking eventually stops. baila has also noticed that if she continues to take pictures

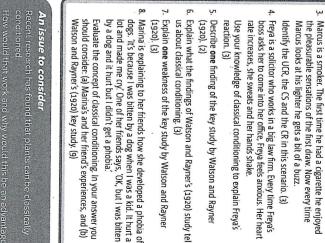
Describe a similar finding from the Little Albert study.

B3 Learning approach Key concepts: Specification content

 Classical conditioning – learning by association, to include the role of the unconditioned stimulus, unconditioned response, neutral stimulus, conditioned stimulus and conditioned response.

Key study:

Watson and Rayner (1920) Conditioned emotional reactions – 'Little Albert'.



Key concept 2 and key study

Put down your guns

california had a serious problem with gun violence. It was the ninth most dangerous, city in the whole of the US. The police knew that 17 young men were responsible. for 70% of shootings Up until 2010 the city of Richmond in

young men. In 2010 Boggan invited the men to a meeting and made them an offer – he would pay them not to fire their guns. They could earn up to \$1000 every month for nine months as long as they stuck to a mentoring DeVone Boggan was the head of Richmond's Office of Neighborhood Safety and he had a plan to tackle the violence began in 2007 by employing streetwise people to build relationships with these failed to make a difference. So Boggan rison, fines and other punishments had

(reinforce) good behaviour In other words, instead of punishing bad going to reward

programme and didn't use their guns.

By 2014 the reduction or most, the positive attendance went up and school and job Did it work? In the first year, gun crime in

pecification terms

results continued even after the cash stopped

more likely to be repeated. of an unpleasant stimulus, which makes the behaviour Negative reinforcement The reinforcer is the removal

(positive or negative). reinforcement (positive or negative) or punishment behaviour is shaped and maintained by its consequences Operant conditioning A form of learning in which

more likely to happen again. consequence of the behaviour, making the behaviou

consequence that increases the probability of the Reinforcement A behaviour is followed by a unpleasant, making the behaviour less likely to be repeated **Punishment** The consequence of a behaviour is

Loudspeaker Response lever

Electrified grid Food dispense

turned off)

A Skinner box

reinforcer (when the shock is lever). The electrified grid can environment, the food In this very controlled (electric shock) or a negative behaviour (e.g. pressing the provide a positive punisher (food pellets) for the rat's dispenser provides reinforcers

Positive reinforcement The reinforcer is a pleasant

behaviour being repeated.

Lights

Key concept: Operant conditioning

What is operant conditioning?

therefore it is learning by consequences rather than by association (classical conditioning). We form a link between a behaviour (the operant) and its consequence (the result that follows it) conditioning works in various animal species. The findings reliably Depending on the consequence, the probability of the behaviour being repeated increases or

Consequence 1 — Reinforcement

decreases. There are two consequences.

consequence that does this is said to reinforce the behaviour (it is reinforcing, it is a reinforcer There are two main types: This is the consequence that increases the probability of a behaviour being repeated. Any

- likely to happen. or nice comment). Either way, the consequence reinforces the behaviour and makes it more Positive reinforcement occurs when a behaviour is followed by a pleasant consequence. The consequence could be something tangible (e.g. food, money) or intangible (e.g. a smile
- Negative reinforcement occurs when a behaviour is followed by the removal of an it follows and makes it more likely the behaviour will be repeated. unpleasant stimulus. For example, the removal of pain negatively reinforces the behaviour

Consequence 2 - Punishment

consequence is said to punish the behaviour (it is punishing, it is a punisher). Again, there are This is the consequence that reduces the probability of a behaviour being repeated. Any such two main types

- Positive punishment is when a behaviour is followed by an unpleasant consequence (e.g. a slap or harsh words)
- Negative punishment occurs when a behaviour is followed by the removal of something pleasant (e.g. being fined or grounded, because there has been removal of money or freedo

tormation of a conditioned reflex Key study: Skinner (1932) On the rate of

B.F. Skinner wanted to measure the rate at which rats would press a lever when a food pellet was delivered after each lever-press. Would the food act as a reinforcer of lever-pressing?

Procedure

a while, but then would eat one as soon as it appeared. This was done so the rats 'knew' the dispensed every time the rat pressed the lever. pellet was food. Skinner then released the lever so that it could be pressed and now food was pressed but food pellets were dispensed at various time intervals. The rats ignored these for Four rats individually spent time in a Skinner box (left). To begin with the lever could not be

Findings

start pressing the lever at a high rate, i.e. they had learned that pressing the lever brought food. For two of the rats, it took just one press of the lever (and delivery of food) for them to immediate second time (and get food). Only then did it start pressing at a high rate. Another rat pressed the lever once (receiving food), but it took over an hour for it to press a

at a high rate (with over two hours between the first and fifth presses) The fourth rat pressed the lever five times (receiving food each time) before starting to press

Conclusions

(because it was faster) conditioning. He argued that operant conditioning was more like learning in everyday life The behaviour of animals is not free, it is determined by 'natural laws.' Skinner claimed he had discovered a new form of learning, different from Pavlov's classical

behaviour immediately Skinner also concluded that just one reinforcement was all it took to change the rats

Evaluation

Supporting research evidence

and animal studies One strength is that operant conditioning is supported by both human

punishment. Human studies (e.g. Chase et al. 2015) have even of behaviour. discovered brain areas and structures that are linked with reinforcement demonstrate how behaviour is influenced by reinforcement and Many lab studies (by Skinner and others) have shown how operant

form of learning in many animal and human behaviours This research supports the view that operant conditioning is a key

Not a complete explanation of learning

existing behaviours are strengthened or weakened One weakness is that operant conditioning can only explain how

reinforcing). But it cannot explain how the phobia first appears. phobia is maintained over time (through avoidance that is negatively not account for all behaviours. classical conditioning cannot. For example, it can explain how a Operant conditioning can explain some complex behaviours where This means operant conditioning is an incomplete theory that does

Evaluation

Operant conditioning in education and childcare

Skinner's research and operant conditioning One strength is that there are numerous practical applications of

as schools and nurseries. For example, good work and behaviour can be and by parents to eliminate undesirable behaviour (e.g. isolation, naughty step reinforced by praise or gold stars. Punishment is often used in schools Reinforcement is often used in educational and childcare settings such

uses in the real world as well as theoretical importance. This shows Skinner was right to say that operant conditioning has

Problems with generalisation

One weakness is that Skinner made some sweeping conclusions about behaviour based on the rats in his study.

the stimulus (food) and the response (lever-pressing). But humans Skinner's study to more complex human behaviour. probably have more conscious insight into their behaviour than rats. To interested in any mental processing that may have come between understand human behaviour we have to consider mental processes. ways, but this is debatable. In the key study, Skinner was not at all He argued that all animals (including humans) learn in the same Therefore, it is inappropriate to generalise the behaviour of the rats in



GFACTIVE Conditioning weight loss

Max joined a slimming club because he wanted to lose 120 kilos. The programme worked by allocating points to different foods. But he was allowed to use some points on each other with encouraging messages. each time he achieved one he was given a badge. Max also treats that he liked such as chocolate. He was set targets and joined the club's online community where members helped

- How could operant conditioning help Max lose weight?
- Can you think of any other ways operant conditioning can be used to encourage healthy behaviours?

- State what is meant by the term 'operant conditioning'. (1)
- When five-year-old Larry helped tidy the living room, his mum Describe an example of operant conditioning from everyday life. (2) gave him a sweet. But when he bit his sister he had to go and sit

following: positive reinforcement, negative reinforcement and on the naughty step. He was allowed off when he apologised punishment. (3) Using the scenario above, give **one** example of each of the

Ellie works in a call centre selling insurance policies to customers harder and made more calls. and praises them. When this happened to Ellie, she worked even Every time someone sells a policy, the manager plays a fanfare

Explain how the findings of the key study by Skinner (1932) Use one aspect of operant conditioning to explain Ellie's behaviour. (3)

support the view that learning can take place through operant conditioning. (3)

6. Explain one strength or one weakness of the key study by Skinne (1932). (3)

7. Russ is addicted to playing on fruit machines. He gets a thrill from his real life sometimes he wins. His partner is violent towards him, so he likes to escape all the flashing lights and loud noises and occasionally the money

in the scenario outlined above. (9) conditioning. In your answer you should consider: (a) different Discuss the view that learning takes place through operant kinds of reinforcement and punishment, and (b) Russ' behaviour

An issue to consider

changing other people's behaviour (as described in the box Do you think that operant conditioning is a realistic way of

Specification content

B3 Learning approach

Operant conditioning – learning by consequences, to include the role of positive reinforcement, negative reinforcement and punishment.

Key study:

very rewarding

0 Skinner (1932) On the rate of formation of a conditioned reflex.

Key concept 3 and key study



Are criminals born or

Colombia and the USA, and in the process became one of the wealthiest and most feared people in the world. control the trade in cocaine between instance. He rose from obscurity to people have to learn how to behave like criminals. Take Pablo Escobar for bad' is a popular one. But even bad The idea that some people are born

other more experienced criminals selling stolen gravestones before But he started his criminal career He accompanied them on jobs

observed what was involved in

he was 22, so he wanted to learn. He was a bodyguard for a local drug kingpin which gave him the successful drug smuggling. He was surrounded by people with greater opportunity to observe at first-Escobar was highly motivated. He and respected in their world. status than him, who were well-ofi hand exactly what was involved in aimed to be a millionaire before

criminal career that brought him This was Escobar's 'training ground He used it as the foundation of a

Specification terms

observer identifies with the model by a model. It is more likely to occur when the behaviour they observed being demonstrated Imitation Occurs when a learner reproduces the

(or listening to) the behaviour of others (models) Observation Actively attending to and watching a behaviour that may be imitated by an observer. behaviour of a model or a model demonstrates Modelling Either an observer imitates the

Cognitive factors play a key role. modelling, imitation and vicarious reinforcement penaviours are acquired through observation, Social learning A form of learning in which

observes a model's behaviour being reinforced. Vicarious reinforcement Occurs when a learner

Key concept: Social learning theory (SLT)

English for 'doll' The word 'doll' is Spanish for 'clown The word 'bobo' is

individual whose behaviour has been reinforced. reinforcement. Instead, a behaviour can be learned indirectly just by observing and imitating another Albert Bandura (1962) proposed SLT to explain how learning often occurs without direct

Modelling

person who performs the behaviour is the model Modelling a behaviour means demonstrating it to another person (usually not deliberately). The

The term 'modelling' is also used when a person imitates a model's behaviour

Learning through observation

The model's actions have to be retained in the observer's memory before they can be repeated. The observer actively focuses their attention on the model's behaviour and watches how it is performed

Imitation

The observer may imitate the model. This is more likely if the observer identifies with the model. This (e.g. same age or gender) or they value and/or admire the model (e.g. because they have social status) happens for two main reasons — either the observer perceives the model to be similar to themselves

Vicarious reinforcement

a very thin celebrity having her behaviour rewarded with fame, status and attention might be more reinforcing. This could explain the influence of media celebrities. For example, a young girl who sees more likely that the observer will repeat the action. This is vicarious (seeing someone else do it) and A behaviour is imitated if the learner is motivated to do so – and this depends on observing positive inclined to imitate the celebrity's 'look' consequences. If the observer sees a model performing an action and being reinforced, this makes it

Vicarious reinforcement is indirect reinforcement.

aggression through imitation of aggressive models Key study: Bandura et al. (1961) Transmission of

Male and female children were randomly placed into one of three groups. The aggression group aggressive model, and if they were more likely to imitate same-sex models Bandura et al. wanted to see if children were more likely to behave aggressively after observing an

shouting, etc.). The non-aggression group observed an adult constructing mechanical toys. The

observed an adult model behaving aggressively towards an inflatable 'Bobo doll' (punching, kicking,

observed and rated (see page 108) toys (including the Bobo doll) and their behaviour was The children were then allowed to play with some following modelled aggression and control condition: Bar chart showing overall comparison of aggression

control group played with no model present.

Findings

aggression) than the other two groups of children. Boys imitated the aggressive behaviours of a male The children who observed the model behaving model more often than they imitated a female mode (both imitating the model and acts of non-imitative aggressively were more likely to behave aggressively

Conclusions

by children through observing models. Aggression is a social behaviour that can be imitated

Non-imitative aggression

identification same sex as the observer, which supports the role of lmitation is more likely when the model is the fairly similar levels of general aggression – it was

Imitative aggression Non-aggressive model Control group

controlled lab conditions.

This means that the situation in which the researchers

Therefore, the findings of the study are difficult to generalise

just the specific imitation of the model's behaviou The graph above shows that all the groups show

towards Bobo that was different.

Evaluation

Evidence supporting SLT

One strength is support for SLT from studies of humans and

and Stuart Pope (1999) showed that even chickens imitated a same-sex model with high status (in pecking for food) model's behaviour is reinforced (i.e. rewarded). Christine Nicol children are more likely to imitate an adult model when the the model. Bandura's later research (e.g. 1965) confirmed that an aggressive adult model, especially if the child identifies with The key study by Bandura et al. shows that children will imitate

identification play important roles in imitation. This supports the SLT view that behaviours are learned through observation and imitation, and that vicarious reinforcement and

Not a complete explanation

factors in learning One weakness of SLT is that it cannot explain the role of genetic

is partly genetic and not just due to social learning. non-identical twins, this strongly suggests aggressive behaviour twins. As identical twins are more closely genetically related thar more similar in identical twins than they are in non-identical Ken Kendler et al. (2015) found that levels of aggression are

and a full account can only be produced by considering other This suggests that SLT is not a complete explanation of learning,

Evaluation

Learning aggressive behaviours

One strength is that the findings of the key study can help us they can be reduced understand how children acquire aggressive behaviours and how

aggressive, through identification with their fathers.

This has important implications for social policy, for example on andings are especially relevant to how boys learn to be physically lamily environment can create aggression in children, through Diservation and imitation of aggressive adult models. The Thanks to Bandura's research, psychologists appreciate how the

custody of children and parental contact after divorce

Artificial environment

One weakness of the key study is that it was carried out in

other people (rather than towards a doll). situations in which children typically behave aggressively towards measured aggression was very different from the real-life

and may tell us little about children's aggressive behaviour in real-life situations such as playgrounds and the home.

GFACTIVE Guitar lessons

enjoy playing the guitar as well and Nisha praises him when he gets it right his fingers and how to strum. Hari copies him how to play the chords, where to place Hari likes the way Nisha really seems to Hari is learning to play the guitar. He is getting lessons from Nisha. She shows

conditioning and social learning: terms of classical conditioning, operant How can Hari's learning be explained in

Exam-style questions

- State what is meant by the term 'vicarious reinforcement'. (1)
- Describe an example of social learning from everyday life. (2)
- 3. Ava and Livvy are playing football when Ava flicks the ball up and volley. it into the back of the net. Livvy is impressed and Ava explains that she the garden shouting with joy. watched her brother doing the trick. When he got it right he ran around
- Barney is eight years old and has started bullying other children. Several get money or sweets or just to show who's the boss. times he has seen an older boy bullying children in the playground to Use your knowledge of social learning theory to explain Ava's behaviour. (3)
- (a) Describe one type of social learning Barney is showing. (2)
- (b) Use one finding of the key study by Bandura et al. (1961) to explain Barney's experience. (2)
- 5. Explain how one finding of the key study by Bandura et al. (1961) demonstrated the influence of social learning. (2)
- 6. Explain one strength and one weakness of the key study by Bandura et al. (1961). (4)
- Most students learn in a social environment made up of many people school/college context. In your answer you should consider observation, Analyse how social learning might contribute to student learning in a modelling, imitation and vicarious reinforcement. (9)

An issue to consider

Key concept: B3 Learning approach

Specification content

 Social learning theory – learning through observation, to include the role of observation imitation, modelling and vicarious reinforcement.

Key study:

Bandura et al. (1961) Transmission of aggression through imitation of aggressive models.

aggression in society



Mobbing at work

them in bullying their victims They often have accomplices who assis operate successfully without suppor effect on the working lives of large numbers of people, but they rarely Bullying is a daily reality in many kplaces. One bully can have a huge

Sometimes the bullying is an organised and it can be explained by the concepts tampaign of harassment by ple to get rid of an employee. Ken sthues (2002) calls this 'mobbing'

with victims by copying the bully's methods. The bully is often in a senior position, so accomplices look up to them the bully often achieves their goal accomplices for their support. Because bully is in a position to reward his or her observing their leader. They interact Accomplices learn how to bully by ise of their status. It also means the Ices are motivated to imitate

The conditions for imitation to occur in xplained on this spread workplace are almost perfect and are

cincation terms

modelling, imitation and vicarious reinforcement Social learning A form of learning in which punishment (positive or negative). which behaviour is shaped and maintained by its behaviours are acquired through observation consequences: reinforcement (positive or negative) or Operant conditioning A form of learning in

outburst is an example of hostile aggression not explained well by learning theories. Unplanned, impulsive, uncontrolled. An angry

Cognitive factors play a key role.



Learning explanations

Operant conditioning

Aggression can be learned directly (see page 26 for a reminder of the basic processes of operant

consequences — a behaviour that is reinforced is more likely to reoccur, a behaviour that is punished is less likely to reoccur. Aggressive behaviours are mostly acquired and maintained Positive reinforcement According to B.F. Skinner (1932), behaviour is shaped by its

for example). If there is no pattern to when the aggression is reinforced (i.e. it is unpredictable), then that is even more powerful. may be reinforced only a proportion of the time (because there is no one else around to approx much more 'hit and miss' in everyday life than it is in a lab. A person who behaves aggressively (it is how fruit machines and social media notifications work, for instance). Reinforcement is (and at irregular intervals) are especially strong. This is called variable interval reinforcement through positive reinforcement because aggression is an effective way of gaining rewards. Furthermore, Skinner argued that behaviours that are positively reinforced only occasionally

reinforce up to 80% of children's aggressive behaviours (Patterson et al. 1967) such as money, sex and food. Tangible rewards (e.g. getting a toy off another child) positively Types of reward Aggression brings two main types of rewards. One type is tangible rewards

societies that provide social status rewards (e.g. medals) for aggressive behaviour in wartime fear. Other examples include gang members who gain status through fighting, and whole (e.g. money) but also by increased status in the school playground (or workplace, etc.) through Another type of reward is social status. Bullying is reinforced not just by tangible rewards

Social learning theory (SLT)

most learning of aggression is indirect and occurs through observation, modelling, vicarious by direct forms of learning such as operant conditioning. As we saw on page 28, he argued that reinforcement and imitation. Albert Bandura (1973) realised that aggressive behaviour in humans cannot be fully explained

guarantee they will behave aggressively – another social learning mechanism is required. media figures). A person observes how an aggressive behaviour is performed, but this does not Observational learning and modelling Children (and to a lesser extent adults) learn specific aggressive behaviours through observing aggressive models (e.g. parents, siblings, peers,

then the observer learns it can be a successful means of getting a reward the aggressor wants. observe the consequences of that behaviour. If the behaviour is rewarded (or at least not punishe Vicarious reinforcement As well as observing the aggressive behaviour of models, people also This is vicarious reinforcement – the observer experiences the model's reward 'second-hand,'

belief that this behaviour will continue to bring successful outcomes in the future. the aggressor learns he or she has the motor skills to force someone to hand over money and the behaving aggressively. This increases as the individual uses aggression successfully. For example too. We have expectations about whether an aggressive behaviour will bring rewards or not. **Self-efficacy** Unlike Skinner, Bandura emphasised the role of *cognitive* processes in social learning. As humans, we not only experience the consequences of behaviour, we anticipate their but this is enough to increase the likelihood that the observer will imitate the model's behaviou Self-efficacy in this context is a person's confidence in their ability to achieve rewards through

Cognitive control of aggression The likelihood that an observed behaviour is imitated depends on four cognitive processes:

- The observer must firstly pay attention to the model's aggressive actions
- Then the observer needs to remember the model's actions. This is retention, a mental representation of how the behaviour is performed
- The observer must have the ability to transform the retained memory into a physical action.
- The observer must want to reproduce the aggressive behaviour because they expect it to bring a reward. This is motivation

Evaluation

Research support for the learning approach

experienced vicarious reinforcement through observing the rewarding consequences of through tangible (money, goods) and intangible (approval, praise) rewards. They models of physical aggression (i.e. each other). They gained direct reinforcement were 'training grounds' for antisocial behaviour because the boys were exposed to between nine and 12 years old became friends with each other. These relationships One strength is strong evidence that children learn aggressive behaviours François Poulin and Michel Boivin (2000) found that the most aggressive boys

by learning theories (especially SLT). This study showed that aggressive behaviour readily develops in conditions predicted

SLT explains the effects of media

behaviour is rewarded, an observing child may experience vicarious reinforcement may be charismatic or physically attractive or have superior status. If their aggressive happen. For instance, an aggressive individual may have attractive characteristics. They One strength of the SLT explanation is that models do not have to be 'real life' provide models. SLT predicts the conditions under which modelling is most likely to Aggressive characters in media such as TV (soap operas), film and video games may

the media may be imitated by children. This shows that SLT is useful because it helps to explain how aggressive behaviour in

Applications to social policy

and societies of human aggression in its various forms. at risk children and young adults with non-aggressive role models to imitate developing programmes based on social learning. One example is mentoring, providing Policymakers (e.g. government) could focus their efforts to reduce aggression on crimes are learned through exposure to models in the family and in peer networks. Another strength is that the learning approach has important implications for social policy This means the learning approach could significantly reduce the costs to individuals The approach suggests that the aggressive behaviours that underlie some serious

Learning does not account for all aggression

explanation on page 48). One weakness is that learning theories have trouble explaining hostile aggression (see

less likely punishment (experienced directly or vicariously) makes future aggressive behaviour individual receives punishment in return. Operant conditioning and SLT predict that A hostile violent outburst may easily escalate an aggressive encounter so that the

social) may be more useful. This means that alternative explanations for hostile aggression (e.g. biological or

each other's aggression.

behave aggressively theory explains hov characters might sence children to

Exam-style questions

- 1. Explain how the learning approach accounts for aggression. Use the concept of operant conditioning in your answer. (3)
- Give three features of social learning theory that can explain aggression. (3)
- 3. Bandura et al.'s (1961) study showed how the view that aggression is learned. (3) Explain how the findings of Bandura et al. support aggressive behaviour can be imitated by children
- 4. Oscar has been arrested again for physically at school to get money. Some of the younger also explained how he used to bully other children children used to look up to him. father had frequently assaulted his mother. Oscar he had grown up in a violent household, where his up' and couldn't control himself. He described how Oscar said that whenever he got angry he just 'blev assaulting his partner. During the police interview

(a) Describe the type of aggression shown by

- (b) Use one aspect of social learning theory to explain Oscar's behaviour. (2)
- (c) Analyse the view that aggressive behaviour is (i) the concept of operant conditioning and his experiences. (9) social learning, and (ii) reference to Oscar and learned. In your answer you should consider.

"FACTIVE Bullied out of a job

for several weeks until Hadley was signed off with stress. about Hadley in meetings and around the office. Gregor with other employees and didn't invite Hadley, even though it and privately promised him promotion. The bullying continued approved of Adi's behaviour, praised him in front of other staff was about her area of work. Adi has also spoken very negatively times seen how badly Gregor treats Hadley. Adi held a meeting once he has shouted loudly at Hadley in his office. Adi has many negative comments about one employee, Hadley. More than Gregor is a senior manager of a supermarket and has to make cutbacks in his department. He has been making

Identify and explain three types of aggressive behaviour in this scenario.

2. Use the learning approach to explain the aggressive observational learning, modelling/imitation, vicarious explanation, refer to the concepts of: operant conditioning, reinforcement and self-efficacy. behaviour of Gregor and Adi. Using examples in your

Specification content

CI Use of psychology to explain contemporary issues of aggression in society Learners should understand and apply knowledge of how psychological concepts and research can be used to

Learning, including operant conditioning, social learning

explain aggression in society

-earning approach to consumer behaviour



What is Christmas to you?

Is it warmth comfort, excitement, a welcome break from routine, nostalgia about childhood Christmases?

same old. too many people forced to have a good time? Or is it annoying relatives, useless presents, the same old

For many people (perhaps most?) it's the former – a time associated with good feelings, happiness and enjoyment. Also for many. Christmas is now a time for adverts by big companies such as John Lewis, M&S, McDonalds. Coca-Cola, and not forgetting Lidl

Why do these companies spend so much money advertising their already well-known brands at this time

The answer is on this spread. They want you to associate their products with the good feelings you have about Christmas. Does it work? Think about a Christmas advert you've seen – how does it make you feel?

See pages 24, 26 and 28.



feelings towards Gary. that depends on your product? Perhaps make you buy the Would his endorsement face of Walker's crisps. Gary Lineker, still the

Learning explanations

Classical conditioning

is the main learning process used in advertising because it does not require a response from the consumer in order for it to be effective (unlike operant Classical conditioning involves learning through association (see page 24). It

attitude towards the product, or greater awareness of it in the marketplace. their behaviour (e.g. buy the product, reduce smoking). Even if this doesn't behaviour change) with positive feelings (e.g. happiness, humour). Adverti happen, other desirable outcomes are possible such as a more positive and campaigners hope this will make the consumer more likely to change The aim is to associate the topic of an advert (product, brand, logo

leaflets may be colourful and fun, etc. behaviour, a voice-over will express warmth and friendliness, and posters i restaurant. Even in political campaign adverts that are intended to change people (or celebrities, see below) enjoying themselves as they visit the burg that makes you associate it with being happy. Or it might show attractive For example, an advert for a burger might present the product in a way

Operant conditioning

responding to a survey on Instagram is much more active. Watching a TV advert or viewing a poster or flyer is a passive behaviour, but because the response from the consumer can then be reinforced or punish following the growth of interactive media such as the internet. This is Operant conditioning has become more frequently used for advertising

created responses that are very hard to extinguish (remove). are none. This is called variable interval reinforcement and Skinner found it Sometimes when we check our status there are several likes, sometimes the especially powerful is that the reinforcements are not predictable or constant attracts is a powerful reinforcer of continued use and phone-checking. Wha behaviour. For instance the number of Facebook 'likes' and comments a post Social media platforms exploit operant conditioning techniques to change

Social learning

(a model) and imitates it. Many adverts show a 'model' using the product not allowed to be associated with these things. make us admired. This is one reason why advertising for alcoholic drinks is suggest that using the product will gain us popularity, success or status or (e.g. a vacuum cleaner, a car, a phone) and enjoying it. The adverts may Modelling occurs when someone observes the behaviour of another person

behaviour and enjoying the same feelings positive emotions of the model, imagining themselves imitating the The consumer hopefully experiences vicarious reinforcement from the

wealth, fame, physical attractiveness, etc. because he or she possesses something the consumer admires – status, learning process. The consumer identifies with a celebrity endorsing a proc more likely if the observer identifies with the model. Identification is a socia Use of celebrities in advertising As we noted on page 28, imitation is

to-earth' celebrities or at least places celebrities in everyday situations to the model is similar to themselves. This is why some adverts use 'downnumanise them On the other hand, identification also occurs when the consumer believe

associate his expertise and charm with the Sainsbury's brand in the minds Jamie Oliver was 'the face of Sainsbury's' for many years, presumably to Celebrities also have a classical conditioning effect. For example, the che

allowed to be used in UK TV advertising aimed at children The effects of celebrities are thought to be so powerful that they are not

Evaluation

Research support for classical conditioning

One strength is evidence that demonstrates how classical conditioning operates in

neutral images (e.g. a microscope). The participants expressed significantly more positive responses (e.g. an ocean sunset). Other fictitious brands were also presented, followed by increased with the number of presentations, highlighting the role of repetition attitudes towards Brand L toothpaste than towards other brands. The degree of positivity brand ('Brand L toothpaste') followed immediately by images designed to provoke positive Elnora Stuart et al. (1987) arranged for participants to be shown images of a fictitious

explain positive consumer attitudes towards a product. This shows that, at least in lab conditions, it is plausible that classical conditioning can

Research support for social learning

effects of celebrities another strength of learning explanations is that support comes from research into the

that consumers' attitudes towards products were significantly more positive when the products were endorsed by a celebrity than when they were not. Some of the reviewed tudies concluded that consumers perceive the celebrities as 'someone they like' This shows that identification plays a key role in the influence of celebrities on Johannes Knoll and Jörg Matthes (2017) reviewed 46 studies of these effects. They found

titudes towards products.

No underlying mechanism

the learning approach has nothing to say about cognitive factors product advertised by Jamie Oliver depends on what you think about Jamie Oliver). But outcome). But it does not explain the mechanisms involved. For example, there must be One weakness is that conditioning is more of a description than an explanation. cognitive factors involved in associating an advertised product with positive emotions, otherwise everyone would feel the same way about it (how positively you feel about a Conditioning is both a process (what happens when it takes place) and an effect (the

respond to advertising or behavioural change campaigns. This means that conditioning is not a powerful explanation of how we learn to

Real-world effects are unclear

A further weakness of this research into the conditioning effects of advertising has been nostly laboratory based

and what there is suggests the effects are weaker (Schachtman et al. 2011). fictitious brand). There is much less research into the longer-term effects of conditioning defined behaviour (e.g. choice of snacks 20 minutes after watching an advert for a of TV viewing and social media use the influence of advertising is a lot 'messier'. For instance, lab research investigates the short-term effects of advertising on a narrowlywhere conditions are less controlled. Therefore, the research tells us little about the effects of advertising in the real world The effects are clear in such highly controlled conditions. However, in the real world

"ACTIVE The power of Pepsi (not)

n 2017 Pepsi ran an advert in the US that backfired so spectacularly the campaign was ended early.

much happier place. Thanks to Pepsi and the power of Jenner's celebrity, the world was a no need to demonstrate for social justice anymore so they stopped gave him a can of Pepsi. At this point the protesters realised there was urst, as if to imply 'This is the real me', approached a police officer and when she saw a protest and decided to join in. She removed her wig A major celebrity, Kendall Jenner, was shown walking along a street

apologised... to Kendall Jenner. To make the situation worse, when the backlash took hold, Pepsi

1. Using your knowledge of the learning approach, explain why this advert failed.

2. Explain how you would present the advert to make it effective



Exam-style questions

- 1. In the context of consumer behaviour, describe what is meant by the term 'operant conditioning'. (2)
- Explain how the learning approach accounts for learning in your answer. (3) consumer behaviour. Use the concept of social
- Explain one way in which the learning approach car inform strategies to change behaviour. (3)
- 4. Give three features of the learning approach that can explain consumer behaviour. (3)
- 5. leuan was watching a TV advert for a yoghurt. He (b) Outline how classical conditioning might have (a) Explain the use of celebrity in this scenario. (2) one of his favourite singers, so he decided to buy this particular yoghurt when he went out shopping later that the yoghurt was being eaten in the advert by the people dressed up in silly clothes. He noticed liked the colourful backgrounds, the jolly music and
- 6. Analyse technique's based on the learning approach you should consider: (a) classical and operant conditioning, and (b) social learning. (9) that are used to change behaviour. In your answer

influenced leuan's behaviour. (3)

Specification content

C2 Use of psychology in business to explain and influence consumer behaviour knowledge of how psychological concepts and research can be used to understand and inform strategies aimed to change behaviour: Learners should understand and apply

 Learning – classical and operant conditioning, social learning (the use of celebrity in advertising).

earning approach to explaining gender

The 'Beauty Boys' of Instagram



When American vlogger James Charles (left) centre came to a standstill as in January 2019, the city out to see him young adults and children turned visited Birmingham lames is one of

image of masculinity which is to say the least at odds with the mainstream binary view.

make-up to boys

as Maybelline and CoverGirl The most prominent of the beauty boys are

We've been here before In the 1970s, pop stars like David Bowie, Marc Bolan and Lou Reed sparking outrage and adoration alike. ented a gender-fluid approach to the world

reinforcement and punishment consequences, which include positive reinforcement, negative of learning in which behaviour is shaped and maintained by its iditioning Means learning. Operant conditioning is a form

reinforcement. Cognitive factors play a key role. acquired through observation, modelling, imitation and vicarious Social learning A form of learning in which behaviours are

eminine gender behaviours from ar Children learn the differences between masculine and

Learning explanations

social learning, described earlier on pages 26 and 28. Two of the common learning explanations for behaviour are operant conditioning an

Operant conditioning of gender

application of rewards (reinforcement) and punishments Rewards and punishments Operant conditioning of gender works through the

and approval — this reinforces (strengthens) the behaviour. On the other hand, geno grandparents, teachers, peers, etc.) tend to reward them with praise, encouragemer inappropriate behaviour is punished (or at least ignored), weakening those behavio When children behave in ways considered appropriate to their gender, parents (an

seen as being a 'proper' girl. active, who fights and gets into scrapes may well be labelled a 'tomboy' - she isn't activities. Girls are encouraged to play with dolls or engage in 'craft' activities, to be and 'rough' in their play ('Boys will be boys') and will be discouraged from girl-type passive, gentle and considerate ('Girls should know better'). Tellingly, a girl who is For example, boys are encouraged to play football or with toy cars, to be active

Differential reinforcement The kind of reinforcement that is given is called differe reinforcement because boys are reinforced for one type of behaviour (masculine behaviours) and girls are reinforced for different, feminine ones.

reinforcement is usually the father. He is more likely than the mother to apply differential rewards and punishments for gender-appropriate behaviours According to Patricia Kerig et al. (1993) the driving force behind differential

childhood (Block 1978 learning gender identity, and one that continues throughout life and is not confined Differential reinforcement of gender-appropriate behaviours is a key process in

Social learning and gender

bender is learned in a social context.

been reinforced (rewarded), but punished (or ignored) behaviours usually disappea as outlined above. A child is likely to repeat gender-appropriate behaviours that have Direct reinforcement Parents reward and punish their children's behaviour directly

behaviour and imitate it. Modelling also occurs from the child's perspective – the girl may observe her mother modelling them. For example, a mother may model feminine-typical behaviour Modelling Parents encourage gender-appropriate behaviours in their children by whenever she cleans the house or cooks the tea or tends to the child's needs.

through the media, including increasingly online (e.g. YouTube, Snapchat). There are also many models of gender-appropriate behaviour available to childre

(e.g. a girl who sees her older sister praised for looking after her dolly may well imi behaviour, not just the behaviour itself. The child experiences the consequences Vicarious reinforcement Children also observe the consequences of a model's that behaviour when she can). indirectly. If the consequence is rewarding, the child is likely to imitate the behavio

not be imitated). observes a classmate being bullied for 'cissy' behaviour, that behaviour will probat But if the consequence is punishment, then imitation is less likely (so if a boy

qualities the child finds particularly rewarding. like me' and therefore as 'someone I want to be'. This happens because the model Identification The processes of social learning are more powerful when the child identifies with a model. Identification occurs when the child perceives the model

identify with them more (they are more 'like me') of gender identity, children are more likely to imitate same-sex models because the stars who are attractive, exciting and have high status. Crucially for the developr The media is a key source of models, for example pop stars, sports stars and You

providing a different kind of role model, changing gender concepts. And today, as illustrated by vlogger James Charles, these high status figures may be

Evaluation

with and imitating same-sex role models who behave in non-typical ways.

Research support from 'Baby X' studies

One strength is support from 'Baby X' studies where the same baby is identified as a boy' or a 'girl' with different adult participants.

gender. Mothers who believed them to be boys gave them a hammer-shaped rattle and reinforced for being passive. and encouraged them to be active. Dressed as girls, they were given a cuddly doll nalf the time in 'girls' clothes' and half the time in 'boys' clothes'. The behaviour of nothers who interacted with the babies differed according to the babies' perceived Caroline Smith and Barbara Lloyd (1978) dressed the same six-month-old babies

behaviour is reinforced differentially for boys and girls from a young age This is evidence of a 'gender curriculum' in the home – gender-appropriate

Explains changing gender-related norms

of how gender can change over time. One strength of the social learning approach is that it offers a convincing explanation

einforced (e.g. through the media) whereas in earlier decades they would have been learning theory (SLT) explains this in terms of a shift in social expectations and tut nowadays. Androgyny is arguably more accepted now than it once was. Social considered masculine-appropriate and feminine-appropriate is much less clearonished or ignored ultural norms related to gender. New forms of gender behaviour are increasingly ltered dramatically over the last half-century. The distinction between what is Views of gender-typical behaviours and characteristics in Western cultures have

This means that SLT can explain the growth of fluid and non-binary gender identities

Little support for differential reinforcement

behaviour. Nearly all differences were small and nonsignificant. The researchers treated with almost identical affection and care). concluded that the reinforcement experiences of boys and girls (at least in Western cultures) are very similar (e.g. they are equally encouraged to be independent and parenting where there may be differences in reinforcement of boys' and girls' Ine weakness is there is very little evidence for differential reinforcement Hugh Lytton and David Romney (1991) reviewed 172 studies into 19 areas of

more recent review by Joyce Endendijk et al. (2016). These conclusions have not changed over time because they were supported in a

Children are active not passive

gender identity than the learning approach suggests. nother weakness of the approach is that children are more active in acquiring a

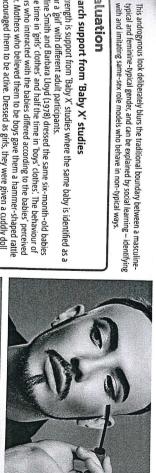
have acquired a gender identity (Martin and Halverson 1987). Furthermore, children's asking questions) and cognitively structures information about gender before they imitating them and receiving reinforcement. For example, the child seeks out (e.g. by news of gender are usually much more fixed and stereotyped than their parents nich suggests they actively construct their gender identity rather than passively There is more to learning a gender identity than just passively observing models,

This is hard for the learning approach to explain purely on the basis of imitation nd reinforcement.

**ACTIVE Sean's identity

was growing up that she frequently used to think of herself as a girl and disliked being treated as a boy. considered by most as 'typically female'. She follows transgender and Often as she can. She behaves in ways and has interests that might be gender-fluid vloggers on social media. Sean remembers when she A lthough Sean is biologically male, she identifies very strongly as demale. She chooses to dress as a woman and wear make-up as

How can the learning approach explain Sean's identification as female?



Exam-style questions

- 1. In the context of the learning approach, what is your answer. (2) meant by the term 'conditioning'? Refer to gender in
- 2. Explain how the learning approach accounts for answer. (3) gender. Use the concept of social learning in your
- 3. Give three features of the learning approach that car explain the development of gender. (3)
- 4. Explain how the findings of Bandura et al.'s (1961) study support the view that gender is learned. (3)
- 5. Explain one strength of the learning approach to explaining gender. (3)
- 6. Dora is a seven-year-old girl who often helps her experiments with it often dolls. She got a make-up set for her birthday and enjoys dancing and singing and playing with her mum with household chores such as cleaning. She

Dora's behaviour. (2) Use **one** aspect of the learning approach to explain

(a) reinforcement and punishment, and (b) observation Evaluate the view that gender can be explained by and modelling. (9) social learning. In your answer you should consider.

Link it

Specification content

Learners should understand and apply knowledge of how psychological concepts and research can be used to understand the typical and atypical C3 Application of psychology to explain gender gender of individuals in society

The influence of the following on gender

Learning - conditioning, social learning