

Lesson 1 – Binary fission and mitosis

Lesson outcomes

- Explain what binary fission is and the organisms which carry out binary fission.
- Describe the process of binary fission.
- Explain why viruses are not classified as being living organisms.
- Describe the sequence of events by which viruses replicate.
- Explain why viruses are so difficult to treat and develop medicines against.

On connect in the year 1 folder find the 'mitosis and meiosis folder'.

Open the power point in the topic resources folder.

Read through each page carefully first. Everything in the booklets is required for your exams.

Page 2- Fill in the questions using the ppt and attempt the maths questions on binary fission. Use the mark schemes on the ppt to check your answers.

Page 3- Complete question on why viruses are hard to treat using the ppt and go back and recap how viruses replicate from the immunity topic.

Page 3+ 4- Complete past paper question on binary fission and then use mark scheme on ppt to check your answer.

Mitosis

Lesson outcomes

- Explain outcome of mitosis.
- Explain the appearance of cells in each stage of mitosis.

Watch the video for an overview of mitosis and **make your own notes**. The more active you are when watching videos the more you will learn.

<https://www.youtube.com/watch?v=0dMLBzaIcsc>

Remember this is just the concept you need to learn all of the **AQA specific content** in your booklet.

Read through each page carefully first. Everything in the booklets is required for your exams.

Page 5-6- Answer questions in booklet using ppt and fill what happens in each step of mitosis. You will need to know this and be able to identify cells in different stages for your exam.

Page 6- Attempt the 'what stage is this?' quiz on the ppt.

Page 7-12- Complete exam questions and use the mark schemes on the ppt to check your answers.