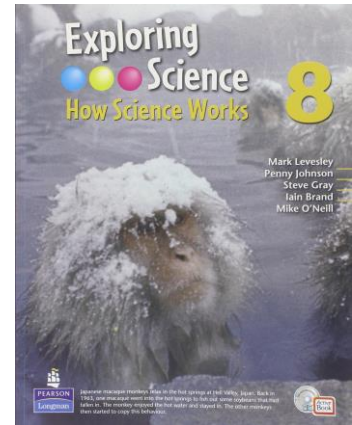


Year 8 Biology Revision Topics

The end of year 8 Biology examination is based around content from the textbook 'Exploring Science 8: How Science Works'



The Biology examination paper will include questions from the following topics:

Topic 1 Food, diet and digestion - including:

- diet and nutrition
- balanced diet
- malnutrition
- the digestive system
- absorption of molecules into the blood

Topic 2 The circulatory and breathing systems, aerobic and anaerobic respiration, and exercise - including:

- structures of the circulatory system including naming the parts of the heart and blood vessels
- structures of the breathing system including naming the parts of the lung
- aerobic respiration (word and chemical equation)
- anaerobic respiration (word equation)
- gas exchange
- percentage of gases in the air

Topic 3 Microbes, the diseases they cause, and defence against disease - including:

- identification and labelling of the three types of microbes: bacteria, viruses and fungi
- using microbes in food (e.g. making bread or fermentation in alcohol)
- microbes and the spread of disease
- prevention of the spread disease
- how the body defends against disease including the immune system
- vaccines and vaccinations

Useful Websites for Revision (by topic)

Topic 1:

- <https://www.bbc.com/education/guides/zyjx6sg/revision>
- <https://www.bbc.com/education/guides/z9pv34j/revision>
- <http://www.bbc.co.uk/guides/zxwwsrd>

Topic 2:

- <http://www.bbc.co.uk/guides/zth9ng8>
- <http://www.bbc.co.uk/guides/zcsbmsg>
- <https://www.bbc.com/education/guides/zq349j6/revision>

Topic 3:

- <https://www.bbc.com/education/clips/zqtka6f>
- <https://www.bbc.com/education/clips/zmcg9j6>
- <https://www.bbc.com/education/clips/zkptsbk>