



Year 7 End of Year Exam

You will be sitting a 1hr exam paper covering a mixture of questions from modules covered in Year 7.

Biology:

Classification and food webs

- Classification of vertebrates and invertebrates
- Transport of water through a plant
- Photosynthesis and its limiting factors
- Predator Prey cycles
- Food chains and food webs

Cells, tissues and organs

- Organ systems in plants and animals
- Specialisation of cells in plants and animals

Reproduction

- Role of the reproductive system in plants and animals
- The process of pregnancy in a human

Chemistry:

Particles and reactions

- Describe matter using a simple model and use it to explain changes of state
- Recognise the link between heating and cooling and changes of state
- Physical characteristics of solids, liquids and gases
- Apply and use the particle model to describe a range of physical observations

Weathering and fossils

- Sort rocks into different types
- Discuss the range of properties of rocks
- Use these properties to explain how they are formed



Physics:

Energy transfers

- Advantages and disadvantages of fossil fuels and renewable energy sources
- Storage of different energy forms
- Draw Sankey diagrams
- The products of combustion and why they may be harmful to the atmosphere
- Circuit diagrams with symbols
- Explain the difference between current and voltage
- Set up parallel and series circuits, measuring the voltage and current

Forces and speed

- Contact and Non-Contact forces
- Weight and mass
- Calculating speed
- Friction
- Air Resistance

Revision Help:

BBC Bitesize: <http://www.bbc.co.uk/bitesize/ks3/science/>