



Year 7 Assessment 2

Duration 45 minutes

Biology	A01 A02 A03 Multiple choice questions, recall, apply and explain, data interpretation	R	A	G
Cells: Structure of plant and animal cells and the role of the organelles				
Food and nutrition: The role of the 7 nutrients and foods which contain them				
Reproduction: Organs of the male and female reproductive system and their role in reproduction				
Pregnancy: Outline of pregnancy and birth including the role of the umbilical cord and placenta				
Gas exchange systems: How the lungs are adapted for gas exchange				

Chemistry		R	A	G
Particle model: Describe the particle arrangement and densities in different states of matter (solid, liquid and gas).				
Atoms, elements, compounds and mixtures: Defining these terms and identifying diagrams containing them.				
The meaning of chemical formulae in terms of number and type of atoms contained and naming common chemicals from formulae				
Separating mixtures: Choosing the appropriate method to separate mixtures including filtration, distillation, recrystallisation				

Physics		R	A	G
Particle model describe the particle arrangement and densities in different states of matter (solid, liquid and gas).				
Energy stores and transfers: Naming energy stores present in an object and the ways in which energy can be transferred by that object.				
Distinguishing between useful and wasted energy transfers.				
Light: drawing ray diagrams to show how we see and reflection				
Light: describe why objects appear a certain colour including the use of filters				
Sound waves: properties of sound waves including pitch and volume				

Resources required for revision:

Exercise books

Helpful websites:

<https://www.bbc.co.uk/bitesize/topics/znnycdm/articles/zkm7wnbl>

<https://www.bbc.co.uk/bitesize/topics/zf339j6/articles/zmwvgdm>

<https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/zk9t6g8#zqjvydm>

<https://www.bbc.co.uk/bitesize/topics/zybbkqt/articles/zwb6xbk>

<https://www.bbc.co.uk/bitesize/topics/zybbkqt/articles/zmx94xs>

<https://www.bbc.co.uk/bitesize/topics/z9r4jxs/articles/zqp7p3>

<https://www.bbc.co.uk/bitesize/topics/zstp34j/articles/zngddp3>

<https://www.bbc.co.uk/bitesize/topics/zstp34j/articles/zmsk4xs>

<https://www.bbc.co.uk/bitesize/topics/zych6g8/articles/zs9sp4j>

<https://www.bbc.co.uk/bitesize/topics/zc3g87h/articles/zg2sn9q>

<https://www.bbc.co.uk/bitesize/topics/zkr4jxs/articles/zqpkkty>

<https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/z7rckty>

<https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/zb8jmbk>

<https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/z6mpywx>

kayscience.com (videos on each topic and short answer quizzes)