

1	State the 5 sub-cellular organelles in an animal cell	Nucleus, cell membrane, ribosomes, cytoplasm, mitochondria
2	State the 8 sub-cellular organelles in an plant cell	Nucleus, cell membrane, ribosomes, cytoplasm, mitochondria, cell wall, chloroplast and vacuole
3	State the function of the nucleus of a cell	Contains DNA and controls the function of the cell
4	State the function of the cell membrane of a cell	Controls what enters and leaves the cell
5	State the function of the ribosome of a cell	Where protein synthesis occurs (proteins are made)
6	State the function of the cytoplasm of a cell	Where chemical reactions occur in a cell
7	State the function of the mitochondria of a cell	Where aerobic respiration occurs in a cell
8	State the function of the cell wall of a cell	Provides support for the cell
9	State the function of the chloroplast of a cell	Absorbs light for photosynthesis
10	State two functions of the vacuole of a cell	Stores minerals and sugars and gives structure
	Topic:	Adaptations of specialised cells (B.6)
1	Define "prokaryotic cell" and "eukaryotic cell"	DNA is not contained in a nucleus
2	Define "eukaryotic cell"	DNA contained in a nucleus
3	State two adaptations of an ovum cells	Contains half of the DNA, lots of cytoplasm
4	State three adaptations of sperm cells	Contains half of the DNA, lots of mitochondria, tail
5	State two adaptations of nerve cells	Long, dendrites to connect to other cells
6	State three adaptations of red blood cells	Large surface area, no nucleus, haemoglobin
7	State two adaptations of muscle cells	Protein fibres to contract and relax and lots of mitochondria
8	State two adaptations of ciliated cells	Tiny hairs (cilia)
9	State an adaptation of a palisade cell	Lots of chloroplasts
10	State three adaptations of a root hair cell	Large surface area, lots of mitochondria, large vacuole
	Topic:	Scientific equipment (S.1)
1	Name the 6 key parts of a light microscope	Eye piece, objective lens, stage, coarse focussing wheel, fine focussing wheel, light
2	Which piece of equipment is used for measuring force?	Newton meter
3	Which piece of equipment is used for producing a single beam of light?	Ray box
4	Which piece of equipment is used for heating substances?	Bunsen burner
5	Which piece of equipment is used for separating an insoluble solid from a solution?	Filter funnel and filter paper
6	Which piece of equipment is used for measuring temperature?	Thermometer
7	Which piece of equipment is used to measure current?	Ammeter
8	Which piece of equipment is used to measure potential difference?	Voltmeter
9	Which piece of equipment is used for measuring the volume of a liquid?	Measuring cylinder
10	Which piece of equipment is used for mixing liquids?	Conical flask