CB2 Cells and control

CB2a Mitosis

Step	Learning outcome	Had a look	Nearly there	Nailed it!
7th	List the names and order of the stages of the cell cycle, including mitosis.	☐	☐	☐
8th	Describe what happens in each stage of the cell cycle, including mitosis.	☐	☐	☐
7th	Describe why mitosis is important for an organism. (growth, repair, asexual reproduction)	☐	☐	☐
9th	Explain why organisms may rely on asexual reproduction.	☐	☐	☐
7th	Describe how mitosis produces genetically identical, diploid cells.	☐	☐	☐
7th	Describe how cancers grow.	☐	☐	☐

CB2b Growth in animals

Step	Learning outcome	Had a look	Nearly there	Nailed it!
4th	Define growth in animals as an increase in cell number and size.	☐	☐	☐
5th	Give examples of specialised animal cells.	☐	☐	☐
6th	Describe how structure of specialised animal cells is related to their function.	☐	☐	☐
7th	Explain why cell differentiation is important in the development of specialised cells.	☐	☐	☐
8th	Use percentile growth curves to interpret growth in children.	☐	☐	☐

CB2c Growth in plants

Step	Learning outcome	Had a look	Nearly there	Nailed it!
8th	Describe the stages of growth in plants (cell division/mitosis, elongation, differentiation).	☐	☐	☐
5th	Give examples of specialised plant cells.	☐	☐	☐
6th	Describe how the structures of specialised plant cells are related to their functions.	☐	☐	☐
7th	Explain why cell differentiation is important in the development of specialised cells in plants.	☐	☐	☐

CB2d Stem cells

Step	Learning outcome	Had a look	Nearly there	Nailed it!
7th	Describe where stem cells are found.	☐	☐	☐
7th	Describe the function of stem cells in plants and animals.	☐	☐	☐
9th	Compare embryonic and adult stem cells in animals.	☐	☐	☐
7th	Give examples of where stem cells may be used in medicine.	☐	☐	☐
8th	Identify benefits and risks of using stem cells in medicine.	☐	☐	☐
10th	Evaluate the use of stem cells in medicine (by comparing their benefits and risks).	☐	☐	☐

CB2e The nervous system

Step	Learning outcome	Had a look	Nearly there	Nailed it!
6th	List the parts of the nervous system.	☐	☐	☐
4th	Describe how the nervous system detects stimuli.	☐	☐	☐
7th	Describe the structure of sensory neurones.	☐	☐	☐
7th	Describe the routes that impulses take to and from the brain.	☐	☐	☐
8th	Explain how sensory neurones are adapted to their functions (including the myelin sheath).	☐	☐	☐

CB2f Neurotransmission speeds

Step	Learning outcome	Had a look	Nearly there	Nailed it!
7th	Describe how the nervous system responds to stimuli.	☐	☐	☐
7th	Describe the structures of motor neurones and relay neurones.	☐	☐	☐
8th	Explain how motor neurones are adapted to their functions.	☐	☐	☐
9th	Explain the action and function of synapses.	☐	☐	☐
9th	Explain how the structure of the reflex arc allows a faster response.	☐	☐	☐
8th	Describe the structure and function of the reflex arc.	☐	☐	☐