QUESTION	ANSWER

Quiz Cards: Cells

How to use the quiz cards to learn the key facts

1) Take 6 quiz cards at a time and read through them

2) Cover up the answer side of the page.

Question	Answer

3) Take the first quiz card and ask yourself the question. Either write the answer down or say it out loud.

4) Check your answer using the answer side of the card.

5) Do this question again until you get it right.

6) Repeat the process for the second question.

7) Before going onto the third question repeat question one and two.

8) When you have gone through all of the questions try and do them in a random order to really test your knowledge.

ONCE YOU HAVE LEARNT THEM ALL ….

9) Complete some exam questions to apply your knowledge.

10) Check your answer with the mark scheme and correct any errors in green pen.

11) Repeat steps 9-10 until you get the answers correct all of the time.

QUESTION	ANSWER
What three things do plant cells have that animal cells don't?	**Cell wall, Vacuole, chloroplasts**
What is the function of the mitochondria?	To release energy from respiration
What is the function of the ribosomes?	To create protein
What is the function of the cell membrane	To control the movement of substances into and out of the cell.
What is the function of the nucleus?	Controls the cells activities and holds all the genetic information.
What is a stem cell?	A cell that has not differentiated into any particular cell.

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What is diffusion? Give an example.	Particles moving from a high to low concentration Example: Oxygen moving into cells.
What is osmosis?	The movement of WATER from a dilute solution to a more concentrated solution through a partially permeable membrane.
What is active transport? Give an example in animals and plants.	Active transport is the movement of substances from an area of low concentration to an area of high concentration. It requires energy. Example in animals: glucose into blood from small intestine. Example in plants: minerals into roots from the soil.
Why do cells need to divide?	To grow, to repair, to replace dead ones.
What type of cell division happens in normal body tissues?	Mitosis
What type of cell division happens in the sex organs?	Meiosis

QUESTION	ANSWER
How do you calculate the actual size of an object that has been magnified?	Actual size = size of image / magnification
How do you calculate how many times an image has been magnified?	Magnification = size of image / actual size
How many micrometres are there in 1 millimetre?	1000
Which type of microscope enables us to look at the organelles inside cells.	**Electron microscope.**
What is the difference between a scanning electron microscope and a transmission electron microscope?	Scanning electron microscope produces a 3D image of the outside of a cell. Transmission electron microscope produced a 2D image of a section of the cell so you can see inside it.
List two differences between eukaryotes and prokaryotes	Eukaryotes have a nucleus whereas prokaryotes do not. Eukaryotes do not normally have flagellae but prokaryotes do.

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