

# Multiple choice test 11 - Cells, Organisation and Infection

Quiz set by Mrs. L. OLIVER for Year 11/11S/Sc4

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1) Which process is not the movement of particles across a concentration gradient?

- Respiration
- Diffusion
- Active Transport
- Osmosis

2) What are magnesium ions needed for in a plant?

- To make chlorophyll
- To make proteins
- To make glucose
- To make cellulose

3) Which of the following is not needed for photosynthesis

- oxygen
- carbon dioxide
- light
- chlorophyll

4) Which of the following is not tested in preclinical trials?

- Healthy volunteers
- Cells
- Tissues
- Live animals

5) Which of the following is the smallest in size?

- Virus
- Bacteria
- Palisade cell
- Red blood cell

6) What is the cell wall made out of that is found in plant and algal cells?

- Cellulose
- Glucose
- Sucrose
- Fructose

7) Which of the following is not a specialised cell in an animal?

- Root hair cell
- Sperm cell
- Ciliated epithelium
- Muscle cell

8) How do you calculate the real size of an image?

- Image size divided by magnification
- Magnification divided by Image size
- Image size x magnification
- Measure it with a ruler

9) How do you precisely control the temperature of a solution

- Use an electronic waterbath
- Use a Bunsen Burner and a Beaker full of water
- Use ice cubes in a tray
- Use a kettle and a beaker

10) Which is not a location where stem cells are found?

- Leaves in plants
- Meristems in plants
- Adult Bone Marrow

- Embryos

11) Which of the following is the movement of substances against the concentration gradient?

- Active Transport
- Transpiration
- Diffusion
- Osmosis

12) Which of the following is not a function of Bile?

- It is acidic to provide the correct conditions in the small intestine
- It is alkaline to neutralise acid from the stomach
- It emulsifies fats to form small droplets
- Alkaline conditions and large surface area speed up fat breakdown by lipase

13) Which of the following is not a blood vessel associated with the heart?

- Alveoli
- Vena Cava
- Aorta
- Pulmonary vein

14) What does the xylem transport?

- Water and minerals from roots to the stems and leaves
- Water and minerals from stems to the roots and leaves
- Water and minerals from leaves to the stems and roots
- Water and minerals from petals to the stems and leaves

15) Which drug would be used to treat HIV?

- Antiretroviral
- Antibiotic
- Aspirin
- Paracetamol



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