

Multiple choice test 11 - Cells, Organisation and Infection

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

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

- Active Transport
- Diffusion
- Respiration
- Osmosis

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

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

3) Which of the following is not needed for photosynthesis

- carbon dioxide
- oxygen
- light
- chlorophyll

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

- Tissues
- Live animals
- Cells
- Healthy volunteers

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?

- Fructose
- Glucose
- Sucrose
- Cellulose

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

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

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

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

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

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

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

- Leaves in plants
- Meristems in plants
- Embryos

- Adult Bone Marrow

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

- Diffusion
- Active Transport
- Osmosis
- Transpiration

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

- It emulsifies fats to form small droplets
- It is alkaline to neutralise acid from the stomach
- It is acidic to provide the correct conditions in the small intestine
- 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?

- Vena Cava
- Aorta
- Pulmonary vein
- Alveoli

14) What does the xylem transport?

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

- Aspirin
- Paracetamol
- Antiretroviral
- Antibiotic



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