



Multiple Choice Test 4 - Cell Biology and Organisation - OPTIONAL FOR REVISION

Quiz set by Mrs. L. OLIVER for Year 11/11S/Sc6

1) Which of the following is not carried in blood plasma?

- hormones
- glucose
- oxygen
- carbon dioxide

2) Which of the following allows food and oxygen to diffuse in to a cell?

- capillary
- muscle
- vein
- artery

3) What is a pacemaker responsible for in the heart?

- Keeping the heart beating regularly
- It prevents the blood from flowing backwards
- Pushing the blood around the body
- Filtering blood

4) Why do you need to allow oxygen into the bloodstream?

- To keep blood flowing
- To breathe efficiently
- To allow gas exchange in the heart
- To supply your cells for respiration

5) Which of the following food tests requires a hot water bath?

- Benedict's test for sugar
- Sudan III test for lipids
- Biuret test for protein
- Iodine test for starch

6) Which of the following is not a true statement in digestion?

- Bile is responsible for emulsifying fats
- The liver releases digestive enzymes
- Bile is responsible for neutralising stomach acid
- The liver is where bile is produced

7) Which of the following is not a digestive enzyme?

- insulin
- lipase
- protease
- amylase

8) What happens when fat is emulsified by bile?

- The surface area of the fat decreases
- Digestion slows down
- The fat breaks down into tiny droplets
- Lipase droplets become smaller

9) Which of the following is not a true statement?

- A catalyst is not used up in a reaction
- A catalyst is a substance that an enzyme acts on
- A catalyst is not changed in a reaction
- A catalyst speeds up the rate of a reaction

10) Which is not an adaptation of alveoli?

- Moist lining
- Enormous surface area
- Good blood supply
- Thick walls

11) Which process sees substances absorbed against a

concentration gradient?

- Diffusion
- Active transport
- Osmosis
- Passive transport

12) Which of the following is not a reason for mitosis?

- Cell Support
- Cell Repair
- Cell Development
- Cell Growth

13) Which of the following is not in an animal cell?

- chloroplast
- cell membrane
- mitochondria
- nucleus

14) Which is the smallest level of organisation

- cell
- organism
- tissue
- organ system

15) What happens when an enzyme denatures?

- The substrate dies
- The active site dies
- The active site changes shape
- The substrate changes shape



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