

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?

- oxygen
- carbon dioxide
- hormones
- glucose

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

- capillary
- artery
- vein
- muscle

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

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

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

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

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

- Benedicts test for sugar
- Biuret test for protein
- Sudan III test for lipids
- Iodine test for starch

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

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

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

- insulin
- lipase
- protease
- amylase

8) What happens when fat is emulsified by bile?

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

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

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

10) Which is not an adaptation of alveoli?

- Thick walls

- Enormous surface area
- Moist lining
- Good blood supply

11) Which process sees substances absorbed against a concentration gradient?

- Active transport
- Diffusion
- Osmosis
- Passive transport

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

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

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

- chloroplast
- cell membrane
- nucleus
- mitochondria

14) Which is the smallest level of organisation

- cell
- tissue
- organism
- organ system

15) What happens when an enzyme denatures?

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



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