

Multiple Choice Test 5 - Cell Biology and Organisation - OPTIONAL FOR REVISION

Quiz set by Mrs. L. OLIVER for Year 11/11S/Sc5

1) Which of the following is a non-communicable disease?

- Cancer
- Measles
- Hepatitis A
- Tuberculosis

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

- Oxygen
- Carbon Dioxide
- Hormones
- Glucose

3) What is the role of a statin?

- They reduce the amount of 'bad' cholesterol in the bloodstream
- They are inserted into an artery to keep them open
- It is used to repair leaky valve
- It can be used to pump blood around the body whilst waiting for a transplant

4) What does the circulatory system carry to every cell in the body?

- Food and Oxygen
- Food and Carbon Dioxide
- Hormones and Urea
- Glucose and Amino Acids

5) Which of the following food tests will test for glucose?

- Benedicts solution
- Biuret solution
- Iodine solution
- Ethanol

6) Which organ produces protease, amylase and lipase?

- pancreas
- stomach
- liver
- gall bladder

7) What is the role of bile?

- Neutralise stomach acid and emulsify fats
- Break down carbohydrates into simple sugars
- Allows peristalsis in the oesophagus
- Release acid into the stomach and digest proteins

8) Which of the following will not affect the rate of an enzymatic reaction in digestion?

- Amount of light
- pH
- Temperature
- The amount of enzyme

9) Which is the largest unit of organisation?

- organism
- cell
- tissue
- organ

10) Which structure allow gases to enter and leave a leaf

- stomata

- chloroplast
- xylem
- root hair

11) Which method allows substances to be absorbed against a concentration gradient?

- Active transport
- Diffusion
- Osmosis
- Passive transport

12) Which of the following is not a cell specialisation?

- phloem and xylem cells are specialised for photosynthesis
- Sperm cells are specialised for reproduction
- muscle cells are specialised for contraction
- nerve cells are specialised for rapid signalling

13) Which of the following is not in a bacterial cell?

- mitochondria
- cell membrane
- cell wall
- cytoplasm

14) Which of the following statements is correct?

- The bigger the sample size the better the investigation
- The smaller the sample size the better
- A sample should represent a small part of a population
- A large sample size means that results are not repeatable

15) What must a cell do before it duplicates the DNA?

- Grow
- Shrink
- Divide
- Decrease the amount of mitochondria?



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