Organisation

Biology Paper 1 | 30 quick questions

GCSE science knowledge recall

Answer online, marked instantly

Name: _____ **Date:** _____ **Score:** _____ **/ 30**

1 What is the name for a group of similar cells that work together to do one job?

2 The stomach contains muscular, glandular and epithelial tissue. Is the stomach a tissue, an organ or an organ system?

3 Enzymes are biological catalysts. What type of large molecule are they made of?

4 What is the name of the part of an enzyme that the substrate fits into?

5 When the active site of an enzyme changes shape at high temperature, the enzyme is said to be what? Answer in one word.

6 Explain why an enzyme can only speed up one particular reaction.

7 Which group of enzymes breaks down starch into simple sugars?

8 Proteases break down proteins into which smaller molecules?

9 Lipids are broken down into glycerol and what else?

10 Bile is made in the liver. Which organ stores it?

11 Bile emulsifies fat. Explain how this helps lipase to digest fat faster.

12 Iodine solution is added to a food containing starch. What colour does it turn?

13 Name the reagent that turns purple when protein is present.

14 Which reagent, heated with a food in a water bath, tests for reducing sugars such as glucose?

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15 Which blood vessel carries oxygenated blood from the lungs to the heart?

16 Which chamber of the heart pumps blood out through the aorta to the body?

17 Where is the group of cells that acts as the natural pacemaker of the heart? Name the chamber.

18 Which type of blood vessel has walls only one cell thick?

19 Which type of blood vessel contains valves to stop blood flowing backwards?

20 Name the red protein in red blood cells that binds to oxygen.

21 Which cell fragments in the blood help it to clot at a wound?

22 Name the pale yellow liquid part of the blood that carries the cells, hormones and dissolved substances.

23 What is the name of the mesh tube inserted into a narrowed coronary artery to hold it open?

24 Which fatty substance builds up in the coronary arteries and narrows them in coronary heart disease?

25 A disease that cannot be passed from one person to another is called what kind of disease?

26 Is a tumour that stays in one place inside a membrane benign or malignant?

27 Name the small pores on the underside of a leaf that let gases in and out.

28 Which plant tissue carries dissolved sugars from the leaves to the rest of the plant?

29 What is the name for the loss of water vapour from the leaves of a plant?

30 The air around a plant becomes more humid. What happens to the rate of transpiration? Answer in one word.

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