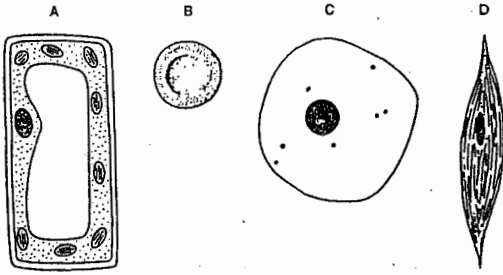


CELLS

1. The diagram shows four cells.

Which cell performs the function of contraction?



2. The table shows some features possessed by living cells.

	large central vacuole	chloroplasts	cellulose cell wall
P	✓	✓	✓
Q	x	✓	✓
R	x	x	✓
S	x	x	x

key
 ✓ feature present
 x feature absent

Which combination of features identifies a palisade cell and a liver cell?

	palisade cell	liver cell
A	P	Q
B	P	S
C	Q	R
D	Q	S

3. At which level of organisation is the kidney?

- A cell
- B organ
- C organ system
- D tissue

4. Which structures are found in the root hair cells of a plant?

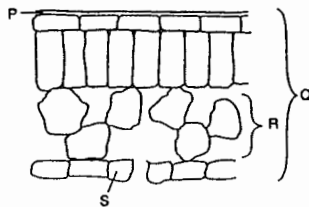
	cell wall	chloroplast	vacuole
A	✓	✓	✓
B	✓	✓	x
C	✓	x	✓
D	x	✓	✓

key
 ✓ = structure present
 x = structure absent

5. Which term is used for a group of similar cells which have the same function?

- A an organ
- B an organism
- C a system
- D a tissue

6. The diagram shows a section through a leaf.



Which structure is an organ and which is a tissue?

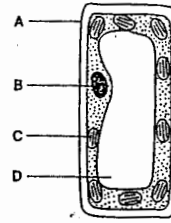
	organ	tissue
A	P	S
B	Q	R
C	R	P
D	S	Q

7. Which of the following describes red blood cells?

	shape	nucleus
A	circular	absent
B	circular	present
C	irregular	absent
D	irregular	present

8. The diagram shows the structure of a palisade cell from a leaf.

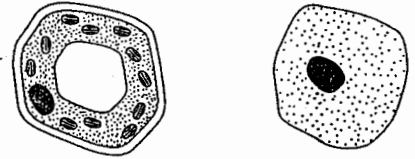
Which structure contains chlorophyll?



9. Which term is used to describe a group of palisade cells?

- A organ
- B organ system
- C organism
- D tissue

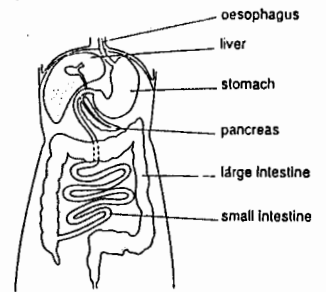
10. The diagram shows two cells.



Which two parts are found in both cells?

- A cell membrane and cell wall
- B cell wall and vacuole
- C vacuole and nucleus
- D nucleus and cell membrane

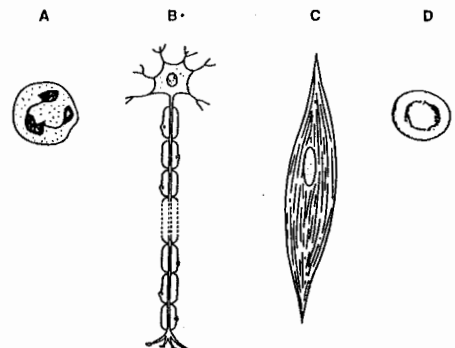
11. The diagram shows some structures in the human body.



Together these parts form

- A a cell.
- B a tissue.
- C an organ.
- D an organ system.

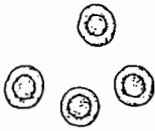
12. The diagrams show four cells (not drawn to the same scale).



Which cell carries nerve impulses?

CELLS

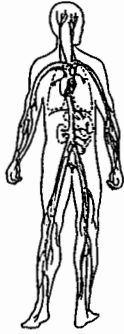
13. The diagram shows some cells from the human body.



What is the function of these cells and to which organ system do they belong?

	function	organ system
A	absorption	digestive
B	response	nervous
C	support	muscular
D	transport	circulatory

14. The diagram shows some blood vessels in the human body.

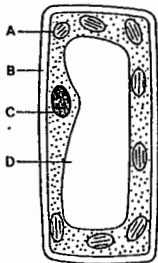


The structures shown are all parts of the same

- A cell.
- B organ.
- C organ system.
- D tissue.

15. The diagram shows a plant cell.

In which part does photosynthesis take place?



16. The diagram shows a cell.

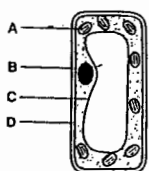


Why is it a plant cell?

- A It has a cell wall and a vacuole.
- B It has a nucleus and cytoplasm.
- C It has a nucleus but no chloroplasts.
- D It has chloroplasts but no vacuole.

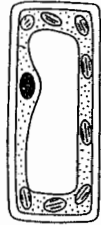
17. The diagram shows the structure of a palisade cell from the leaf of a plant.

Which structure is the nucleus?



18.

The diagram shows a palisade cell from a leaf.



How does a palisade cell differ from other cells in the same plant?

- A It has a cell wall.
- B It has a nucleus.
- C It has a smaller vacuole.
- D It has more chloroplasts.

19.

The diagram shows two types of human blood cells.



What is the function of cell X?

- A to clot blood
- B to digest bacteria
- C to produce antibodies
- D to transport oxygen

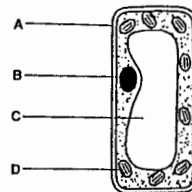
20. In the table, which is an animal cell?

	characteristic of cell					key
	cell membrane	cell wall	chloroplasts	cytoplasm	nucleus	
cell A	✓	x	x	✓	✓	✓ present x absent
cell B	✓	✓	✓	✓	✓	
cell C	x	✓	x	x	x	
cell D	✓	✓	x	✓	✓	

21.

The diagram shows a palisade cell from a plant.

Which structure contains a green substance?



22.

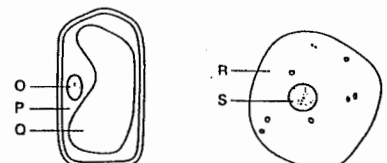
The diagram shows a cell.



Which structure is not present?

- A cell membrane
- B cell wall
- C cytoplasm
- D nucleus

23. The diagram shows a plant cell and an animal cell.



Which two regions contain cytoplasm?

- A O and S
- B P and R
- C P and S
- D O and R

CELLS

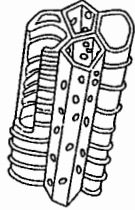
24. The diagram shows some cells from the human body.



To which tissue do these cells belong?

- A blood
- B liver
- C muscle
- D nerve

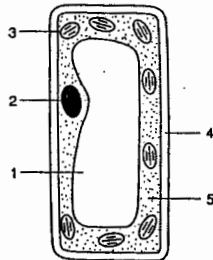
25. The diagram shows a group of cells which are adapted for a particular purpose.



What is the function of these cells?

- A to carry oxygen
- B to carry water
- C to make food
- D to store food

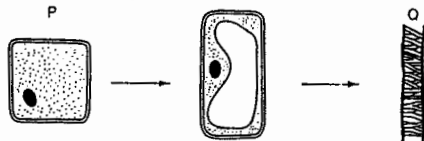
26. The diagram shows the structure of a palisade cell.



Which features are also found in a liver cell?

- A 1 and 2
- B 2 and 5
- C 3 and 4
- D 4 and 5

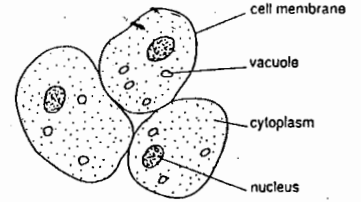
27. The diagrams show a plant cell P changing to become cell Q.



What do the changes between P and Q show?

- A development and germination
- B germination and mitosis
- C growth and development
- D mitosis and growth

28. The diagram shows some cells.



What are these cells?

- A liver cells
- B palisade cells
- C red blood cells
- D white blood cells

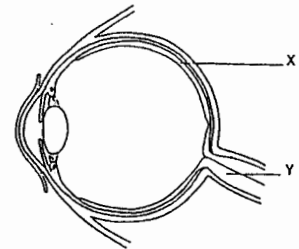
29. The diagram shows a plant cell.



What is the main function of this cell?

- A absorption
- B digestion
- C photosynthesis
- D reproduction

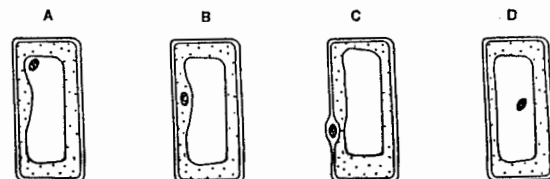
30. The diagram shows a section through an eye.



What are structures X and Y?

- A organs in an organ system
- B organs in a tissue
- C organ systems in an organ
- D tissues in an organ

31. Which diagram shows the position of the nucleus in a palisade cell?



Which of the following is a tissue?

- A eye
- B leaf
- C muscle
- D stomach