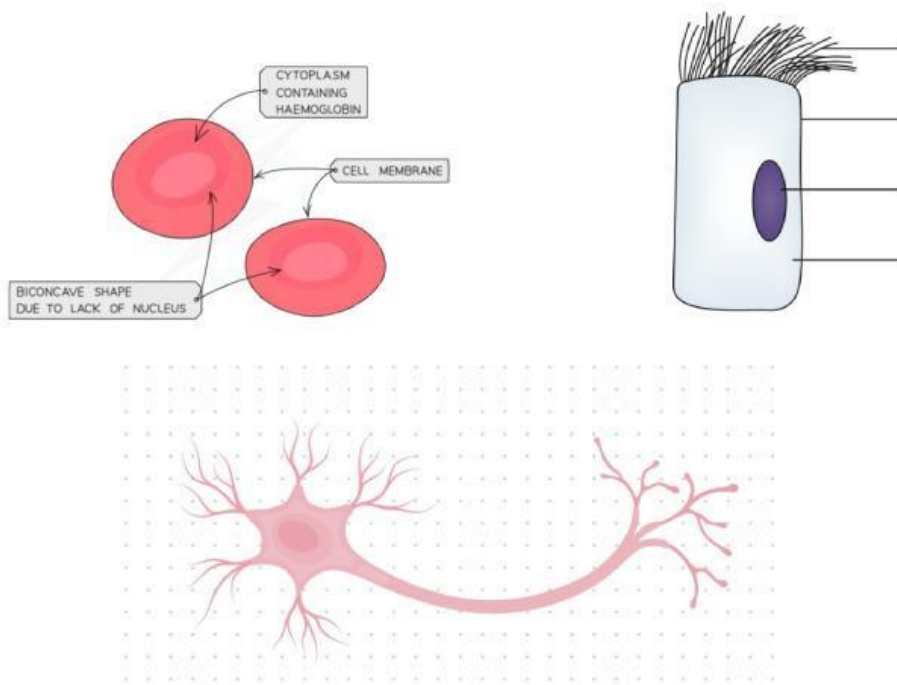


## Unit 1.3. Specialised Cells

### 1. Name and Label

#### \* Animal specialised cells



What is the name of cell C? \_\_\_\_\_

What is the function of this cell? \_\_\_\_\_

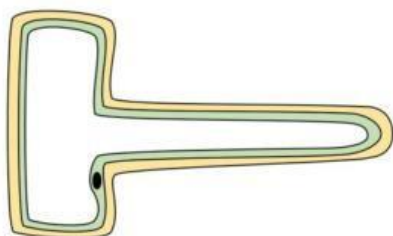
Describe how the cell is adapted to carry out its function. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name the system in the human body that this cell is part of. \_\_\_\_\_

#### \* Name the Plant specialized cells



2. Water moves through several parts of the root hair cells, as it goes from the soil into the sap vacuole. List these parts in order.

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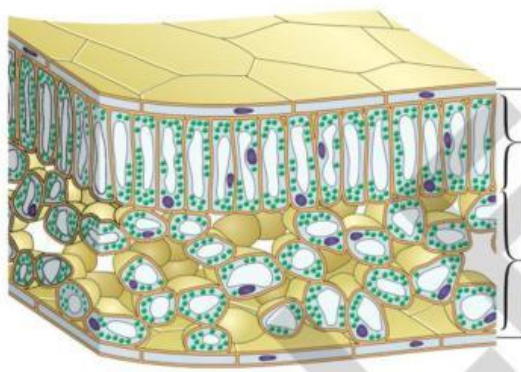
3. Label, choose from the list, and complete the sentences.

**upper epidermis**

**palisade layer**

**spongy layer**

**lower epidermis**



**Cell**

**tissue**

**organ**

**organ system**

**organism**

- A group of similar cells is called a \_\_\_\_\_.
- An \_\_\_\_\_ is a structure made of many different tissues.
- An \_\_\_\_\_ is a group of organs that carry out a particular function.
- An \_\_\_\_\_ is a living thing. It may contain many different organ systems, organs, and tissues.
- In a complex organism, such as a human or a plant, similar cells are grouped to form a \_\_\_\_\_.
- The stomach is an example of an \_\_\_\_\_.
- The heart and blood vessels are all part of the same \_\_\_\_\_.

## Unit 2. Materials and their structure

1. Distinguish: Solids, liquids, and gases

| Feature/Property | Solids | Liquids | Gases |
|------------------|--------|---------|-------|
| Shape            |        |         |       |
| Volume           |        |         |       |

| Feature/Property                               | Solids | Liquids | Gases |
|--|--------|---------|-------|
| Compressibility                                |        |         |       |
| Ability to flow / pour                         |        |         |       |
| Mass / Weight                                  |        |         |       |
| Particle arrangement                           |        |         |       |
| Particle movement                              |        |         |       |
| Changes of state                               |        |         |       |
| Explanation changes of state (particle theory) |        |         |       |
| Examples                                       |        |         |       |

2.

The diagrams show Marcus's thermometer after different times.  
Write the temperatures in the spaces provided.



After 4 minutes the temperature is

.....



At the start the temperature is

.....



After 3 minutes the temperature is

.....



After 1 minute the temperature is

.....



After 5 minutes the temperature is

.....



After 2 minutes the temperature is

.....

3. Complete the water cycle

