

**PON VIDYASHRAM, VALASARAVAKKAM**  
**PERIODIC TEST - 1**  
**SCIENCE – WORK SHEET**  
**CLASS – VIII**

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**I. Answer the following:-**

**[ 10 x 1m = 10m ]**

1. Even though wires inside electric plugs melt, the plugs do not melt. Why?
2. Why melamine is used for making fire proof fabrics?
3. 'Synthetic fibres are superior than natural fibres' – comment on this statement.
4. Why mitochondria is referred to as powerhouse of the cell?
5. White blood cells are irregular in shape. Give reason.
6. Why do plants have cell wall and animal cell do not?
7. Is the size of the cell related to its function? Explain with an example.
8. Name the instrument used to measure the blood pressure of humans.
9. Desert animals like camels can walk easily on land as compared to other animals. Why?
10. List the type of force in each of the following:-
  - a. A cat climbing the wall.
  - b. A fruit detached from the plant.

**II. Answer the following:-**

**[ 10 x 2m = 20 m ]**

1. Define Pascal's law.
2. If you press a rubber sucker on a rough surface it does not stick to the surface. Give reason.
3. Explain tug of war with respect to resultant force.
4. Draw different types of animal cells.
5. Child /Children resemble(s) their parents. Justify the statement.
6. Difference between,
  - a. Plant cell and animal cell.
  - b. Unicellular and Multicellular organism
7. Name the nucleic acids present in the nucleus.
8. What happens when a nucleus is removed from the cell?

9. (i) What is the unit used for measuring the size of a cell.

(ii) Name the largest and smallest cell known to you.

10. What is the first man made polymer?

**III. Answer the following:-**

**[ 5 x 3m = 15m ]**

1. What are the measures can be taken to tackle plastic pollution?

2. Why Rayon is considered as an artificial silk? Explain its properties.

3. Draw a nucleus and label its parts.

4. (i) Why school tags and shopping bags have broad straps or belts?

(ii) When you drink a soft drink with the help of a straw pipe, what forces the liquid up through the straw?

5. Explain any two non – contact forces with examples.

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