

A. Fill in the blanks:

1. Electric cell has \_\_\_\_\_ terminals.
2. An electric gadget to break the electric circuit is known as \_\_\_\_\_.
3. \_\_\_\_\_ is the good conductor of electricity.
4. \_\_\_\_\_ is a non-metal which conducts electricity.
5. \_\_\_\_\_ is the example of insulator.
6. Materials that allow electric current to pass through them are called \_\_\_\_\_.
7. \_\_\_\_\_ in motion is called wind.
8. \_\_\_\_\_ is essential for life in earth.
9. Fine hair and \_\_\_\_\_ are present inside the nose to prevent dust particles from getting into the respiratory system.
10. Which gas in the atmosphere supports burning.
11. \_\_\_\_\_ occupies space.
12. The component of air used by plants for photosynthesis is called \_\_\_\_\_ .

B. Choose the correct option:

1. To prevent electric shocks metallic electrical wires are covered with
  - a) cotton
  - b) aluminium
  - c) plastic
2. Filament of a bulb is made up of
  - a) iron
  - b) tungsten
  - c) plastic
3. An example of an insulator is
  - a) aluminium
  - b) rubber
  - c) water
4. Materials that do not allow electric current to pass through them are called
  - a) conductors
  - b) insulators
  - c) none of (a) or (b)
5. The component of air which supports burning
  - a) nitrogen
  - b) carbon dioxide
  - c) oxygen
6. The component of air used by green plants to make their food is
  - a) carbon dioxide
  - b) nitrogen
  - c) oxygen

C. Name the following:

- 1) An electric gadget to break the electric circuit
- 2) A combination of two or more cells
- 3) An alloy used to make filament of a bulb
- 4) The envelope of air that surrounds the earth is known as

D. Answer the following:

1. Differentiate between conductor and insulator with example.
  2. Define : a) Filament b) Conductor c) Electric circuit d) Wind
  3. Name any 3 devices in which electric cells are used.
  4. Why should an electrician use rubber gloves while repairing an electric switch at your home? Explain.
  5. List four activities that are possible due to presence of air.
-