

**IV - Science - Term 1 - Matter and Materials**

**1) Fill up**

- 1.The matter from which a thing is made of is called \_\_\_\_\_ - material
- 2.Material which cannot be easily compressed cut, bend or scratched are called \_\_\_\_\_ - Hard material
- 3.We see the world around us with the help of \_\_\_\_\_ - light
- 4.Gold and diamond are examples of \_\_\_\_\_ material - shiny
- 5.\_\_\_\_\_ objects allow all the light to pass through them - Transparent
- 6.\_\_\_\_\_ is the natural source the stimulates sight and makes things visible - Light
- 7.Materials which can be easily compressed cut bent or scratched are called \_\_\_\_\_ - soft materials
- 8.Materials which do not reflect the light well are called \_\_\_\_\_ - dull material

**2) True or False**

- 1.We cannot compress, cut or bend the rough materials easily - True
- 2.Dull materials reflect light \_\_\_\_\_ - False
- 3.Sand paper is a good example for smooth materials - False
- 4.Opaque objects do not allow light to pass through them - True
- 5.Mirrors change the direction of light that fall on them - True

**3) Match**

- 1.Light source - Sun
- 2.Waterproof - Raincoat
- 3.Transparent - Glass
- 4.Translucent - Vegetable oil
- 5.Opaque - Metal
- 6.Hard material - Brick
- 7.Rough material - Rock
- 8.Smooth material - Mirror
- 9.Soft material - Clay
- 10.Terrible material - Rubber band

**4) Others**

**Circle Odd One**

- 1) Brick, Coir, Silk cloth, Pine apple - Brick
- 2) Stone, Rubber band, Cycle tube, Electric wire - Stone
- 3) Sun, Candle, Torch, Pen - Pen

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4) Umbrella, Sponges, Rain coat, Jerkin - Sponge

5) Glass bottle, Exam pad, Paper plate, Wooden board - Glass bottle

**Short answer**

1) 1. When can you say a material is water proof material? - \*Materials that do not allow water to pass through them are called water proof material

2) 2. What is a light source? - \*The Object that gives off light are called light sources

3) 3. What is material ? - \*The matter from which a thing is made of is called material

4) 4. Write the properties of materials. - \*Hard and soft, \*Shiny and dull \* Smooth and rough \* Flexible and rigid

5) 5. Define reflection. - \* The bouncing of light by any smooth or polished surface is called reflection

6) 6. What is the difference between Transparent and Opaque materials. - Transparent material: The light passes through it. Opaque material: The light does not pass through it

7) 7. Give some examples of Transparent materials. - Air, Glass tumbler and coloured glass

8) 8. Give some examples of Translucent materials. - Oil soaked paper, Snow and Vegetable oil

9) 9. Give some examples of Opaque materials. - Wood, Stone and Metal