



## Science Revision Worksheet 2– Class-4

Q1: Sort out the solids, liquids and gases.

Pulses      coffee      balls      clouds      honey      hydrogen      steam sponge

| Solids | Liquids | gases |
|--------|---------|-------|
|        |         |       |

Q2: Find out reversible and irreversible changes.

- a. fried egg \_\_\_\_\_      c. burnt match stick \_\_\_\_\_  
b. candle wax \_\_\_\_\_      d. ice \_\_\_\_\_

Q3: Separate the following mixture by using a sieve, a filter paper, a magnet or a colander:

- a. flour and water \_\_\_\_\_  
b. noodles in water \_\_\_\_\_  
c. paperclips, dry rice and salt \_\_\_\_\_  
d. peas and cauliflower \_\_\_\_\_

Q4: Which of the following is not a mixture of solid.

- a. sand and marbles \_\_\_\_\_      c. kidney beans and paper \_\_\_\_\_  
b. sugar and salt \_\_\_\_\_      d. coffee and milk \_\_\_\_\_

Q5: Which is better for filtering the following:

- a) separating water and chickpeas:  
i) sieve      ii) filter paper  
b) separating nuts and salt:  
i) colander      ii) sieve  
c) separating sand and water:  
i) mini- sieve      ii) kitchen towel

**Q6: What do you think will happen when water is added to these materials?**

- a) instant coffee :
- b) powder point:
- c) sugar:
- d) sand:

**Q7: Describe the properties of gold when it is:**

| a. Solid | b. Liquid |
|----------|-----------|
|          |           |

**Q8: Talha dropped some materials on to a hot frying pan. He wrote down what he saw:**

| Material       | What I saw                     |
|----------------|--------------------------------|
| Chocolate drop | Spreads out                    |
| Plain biscuit  | Did not move, no change        |
| Butter         | Spreads out. Starts to bubble. |
| Cooking oil    | Spreads out                    |

- a. Name the materials that show solids changing to liquids.
- b. What do we call the process when a solid changes to a liquids?
- c. What would Talha need, to turn the liquids to solids again?
- d. What equipment would you use to separate a mixture of flour and raisins?
- e. Explain what happens when a substance dissolves in water.

**Q9: Write two properties of each. Also give one example:**

| Solids | Liquid | hast |
|--------|--------|------|
|        |        |      |

**Q10. Match the following:**

| A                  | B               | C |
|--------------------|-----------------|---|
| 1. Volume          | 1064 °C         |   |
| 2. Gold            | Flows           |   |
| 3. Sand            | ml              |   |
| 4. Sugar and water | Ice and sawdust |   |
| 5. Pykrete         | solution        |   |