

CLASS 6

SCIENCE

CHAPTER 4

SORTING MATERIALS INTO GROUPS

HOTs Questions

1. Why do we keep our money and valuables in metallic/wooden almirah and not in glass cupboard?
2. We see our face when we look in a mirror. Is the mirror a transparent object?
3. A ship that is made of iron floats in water whereas an iron nail sinks. Why?
4. Why does a cotton ball sink in water after a few minutes?
5. In 'hide and seek' do you hide behind a glass window or a wall? Why?
6. Radha was oiling her hair when some oil got spilled on her notebook. She tore that sheet and looked through the oiled paper. Would she see everything clearly on the other side? Explain.
7. Apart from hardness and lustre, think of any two properties which describe appearance of a material, giving examples.
8. Surabhi wants to know whether her hand's palm is translucent or transparent. So she covers the glass of a torch with her palm at a dark place and switches on the torch. What will she observe? Write her observation and conclusion.
9. Do all materials having lustre conduct electricity? Explain with examples.
10. You are provided with the following materials:
Turmeric, honey, mustard oil, water, glucose, rice flour, groundnut oil.
Make any three pairs of substances where one substance is soluble in the other and any three pairs of substances where one substance remains insoluble in the other substances.