

Chapter 4

MULTIPLE CHOICE QUESTIONS

- | | | | |
|------|-------|-------|------|
| 1. b | 2. c | 3. c | 4. c |
| 5. c | 6. b | 7. d | 8. c |
| 9. c | 10. d | 11. a | |

VERY SHORT ANSWER QUESTIONS

12. The silver spoon on long exposure to moist air has lost its shine and appears dull whereas gold does not tarnish.
13. Raveena has got a solution because honey will dissolve in water.
14. **Hint:** Yes, Ground glass is translucent, so Shikha can be located.
15. Cotton ball initially floats and then sinks as it absorbs water.

SHORT ANSWER QUESTIONS

16. Rubber band, leaf, eraser, cooked rice and fresh chapati are soft materials because they can be compressed or scratched easily.

17. **Soluble**

- (i) honey in water (ii) glucose in water
(iii) groundnut oil in mustard oil

Insoluble

- (i) turmeric in water (ii) rice flour in water
(iii) mustard oil in water

18. **Hint:**

Name of the material	Appearance Hard/Soft	Transparency (Transparent/ Translucent /Opaque)	Floats/Sinks in water	Soluble/ Insoluble in water
Lump of salt	Hard	Opaque	Sinks	Soluble
Green grass	Soft	Opaque	Floats	Insoluble

19. (a) aluminium – foil, aircrafts, etc.
 (b) plastic – bucket, pencil box, etc.
 (c) kerosene – fuel, solvent, etc.
 (d) vinegar – food ingredient, preservative, etc.
20. a- (iii) b- (iv) c- (i) d- (ii)
- 21.

O	S	T	P	L	E
A	T	L	E	E	R
C	O	I	N	A	A
O	N	K	C	F	S
A	E	E	I	W	E
L	L	Y	L	R	R

The answer may include other items as well.

LONG ANSWER QUESTIONS

22. **Hint:** Write on the basis of lustre, hardness, softness, roughness or smoothness.
23. **Hint:** Dissolved oxygen is available for animal and plants for respiration and survival.

24. **Hint:** Objects cannot be seen through opaque materials.

Example: Cardboard.

Objects cannot be seen clearly through translucent materials.

Example: Oiled paper.

Objects can be seen clearly through transparent materials.

Example: Hand lens

25. Soluble in water – Sugar, Salt, Honey, Copper sulphate crystals, Glucose
- Insoluble in water – Mustard oil, Sand, Sawdust, Chalk powder, Soil, Petals of flower, Wheat flour