110 EXEMPLAR PROBLEMS

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

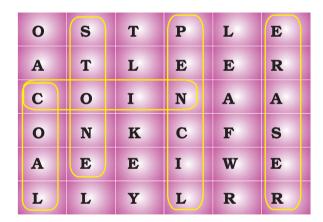
- 16. Rubber band, leaf, eraser, cooked rice and fresh chapati are soft materials because they can be compressed or scratched easily.
- 17. **Soluble**
 - (i) honey in water (ii) glucose in water
 - (iii) groundnut oil in mustard oil

Insoluble

- (i) turmeric in water (ii) rice flour in water
- (iii) mustard oil in water
- 18. **Hint:**

Name of the material		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.



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.

112 EXEMPLAR PROBLEMS

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