

Lesson 1

Model answer

PAGE
DATE

Complete:

1. 70
2. Tops of mountains
3. Nile
4. cloud atmosphere
5. evaporation
6. Respiration
7. Rain water pass through soil particles
8. acidic rain
9. rain - snow
10. transpiration
11. Rock decomposition
12. Hydrogen - Oxygen - Single covalent bonds - 104.5°
13. water polarity
14. electronegativity
15. negative - positive
16. Hydrogen
17. dissolve
18. water molecules
19. Hydrogen bonds.
20. hydrogen - hydroxide
21. change
22. basicity
23. acidic
24. water ionization
25. Snow
26. Freezing.

Match

1) c

2) a

3) b

4) ~~d~~

5) d

✓ or X

1) X

2) ✓

3) X

4) ✓

5) X

6) X

7) ✓

8) X

9) ✓

10) X

Answer:

1) 7.5 → 8.4 due to the sea region.

2) 1. Acidic rain
2. Acidic gases
3. Factories waste

3) Bec. concentration of $H^+ = OH^-$

4) due to its rocks (Calcium carbonate
Magnesium carbonate)

5) Due to CO_2 and other acidic gases.

x 6)

7) As amount of dissolved rock increase,
pH increase.

8) Bec. it form acidic rain

9) To know the change in water quality

10) Bec. its wastes are absorbed by rock
reaching ground water affecting its pH

- 11) - Not to discharge factories wastes in water
- Not to put dead animals in water.
- 12) If pH of water is changed, growth of algae is affected.