

CHEMISTRY

classmate

1. a) Chemistry
2. a) John Dalton
3. a) solids
4. ~~a) evaporation~~ d) vaporization
5. b) boiling point
6. b) alchemists
7. a) A substance that is made up of one type of atom and can't be reduced to anything simpler.
8. b) Robert Boyle
9. b) gases
10. b) Bunsen burner
11. Fill in the blanks
11. nitrogen
12. separation
13. 100°C
14. Freezing
15. Sublimation

2 Mark Questions

16 - Preservatives are used to better presentation of food and to check its spoilage.

17. Alchemy is derived from the Greek word *khemia*. Which means the art of transmuting metals.

18 - a) It turns into ice.

b) It turns into vapour

19. The two characteristics which prove that water is a ~~element~~^{compound} are :

i) Energy is needed to form water on combining O_2 with H_2

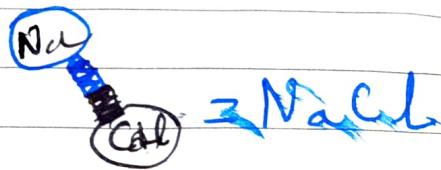
ii) We cannot separate the constituents of water by physical means.

20.

Sulphur dioxide:



[⊕]
Sodium chloride:



ⓐ ~~NaCl~~ 3 Mark question

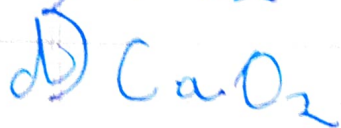
21) Food preservatives :- Preservatives like sodium benzoate, sodium meta bisulphate and salicylic acid are used for better preservation of food and to check its spoilage.

Food processing :- Food processing is

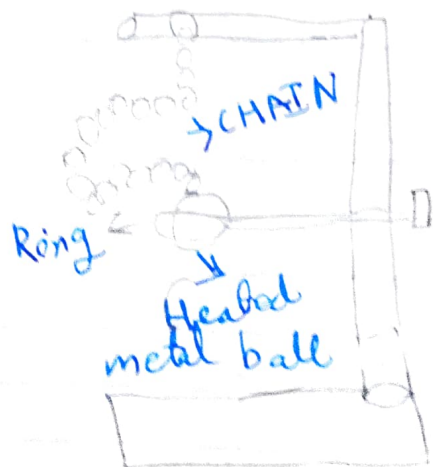
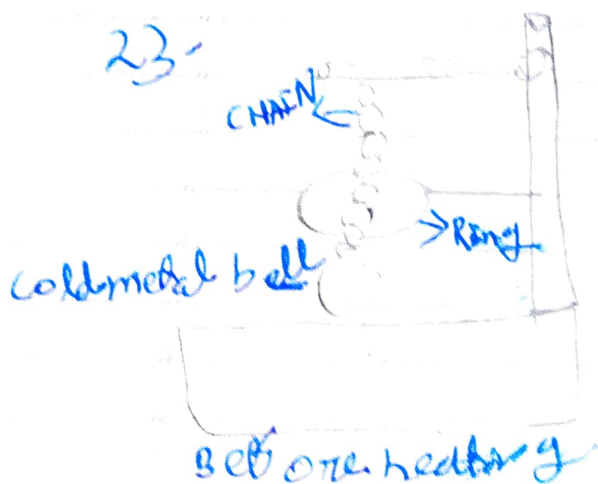
The transformation of raw food materials by physical or chemical means into marketable food products that can be easily prepared and served to consumers. ex - jelly, cheese, butter, jam, breads, cold drinks and etc.

- a) Dmitri Mendeleev invented the first periodic table.
- b) Antoine Lavoisier revolutionized chemistry; Lavoisier named the elements carbon, hydrogen and oxygen and discovered the role of oxygen in combustion and respiration.
- c) While all atoms of an element were identical, different elements had atoms

differring in size and mass. Dalton's atomic theory also stated that all compounds were composed of combinations of these atoms in defined ratios. Dalton also postulated that chemical reactions result in the rearrangement of the reacting atoms.



23.



24. All medicines must be taken under proper doctor's supervision and in the correct dose because some medicine has side effects as aspirin not taken in ~~high dose~~ proper dose may cause stomach ulcers similarly paracetamol i.e. taken in high dose may cause liver problems.

25-a) Gold, platinum and silver are luxurious so they are used for making jewellery or ornaments.

b) Copper and aluminium are used to make utensils, wires and machine parts.

c) Plastics are used to make tables, chairs, sofas and etc.