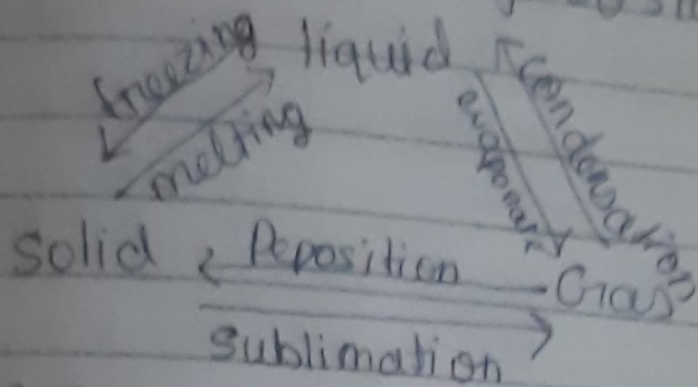


Worksheet

- 1) Ans) Physics
- 2) Ans) John Dalton
- 3) Ans) Solids
- 4) Ans) evaporation
- 5) Ans) boiling point
- 6) Ans) Alchemists
- 7) Ans) A substance that is made up of one type of atom and can't be reduced to simpler substances
- 8) Ans) A tripod stand
- 9) Ans) Gas jar
- 10) A) Electric stove
- 11) B) Nitrogen
- 12) B) Chemical
- 13) B) Particular
- 14) B) Freezing
- 15) B) Sublimation
- 16) A) Preservatives are added to food or beverages to prevent them from ~~rotting~~ rotting and to check its spoilage.
- 17) B) Alchemy was considered as pseudo / false science because it was mostly based on experimentation, spiritual discipline and the philosopher's stone.
- 18) a) The water will turn into ice
b) The water turns into vapour

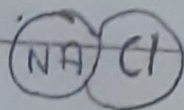
The phenomenon of change of state of water:



- (ii) The 2 characteristics that prove water as a compound:
- It is made up of elements hydrogen & oxygen
 - elements are combined in a fixed ratio



Sulphur
Dioxide



Sodium
chloride

(iii) Food processing is a process of ~~force~~ transformation of raw ingredients into food by the means of physical and chemical means whereas food preservation is to stop / slow down the spoilage of food, loss of quality & edibility of food for a longer time.

Food processing - butter, jam

Food preservatives - salt, oil

contribution of:

Dimitri Mendeleev - Development of periodic table

Antoine Lavoisier - law of conservation of mass

John Dalton - atomic theory

Compounds are pure substances formed by the chemical combination of 2 or more elements in a definite proportion of mass

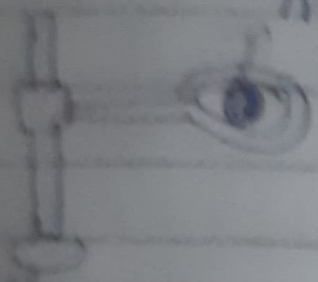
Hydrogen and oxygen - Water

Carbon and oxygen - Carbon dioxide

Nitrogen and oxygen - Nitrogen dioxide

Calcium, oxygen - Calcium oxide

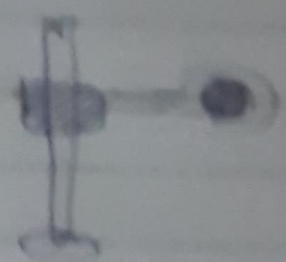
metal ring



ball passes through ring



metal ball is heated



metal ball is unable to enter the ring

Medicine should be taken under doctor's prescription and in the correct dose, cause if the medicine is not prescribed by the doctor, we can by mistake eat some other medicine which may be harmful to our health. And if we don't take the medicine in the right proportion then we can either take a small dose and nothing will happen to our body / a heavy dose might cause us harm.

- Page _____
- 25) a) Gold, platinum, silver - jewellery
b) Copper, aluminium - utensils
c) plastic - bottles, bore etc

26) a) Wet clothes dry more on a warm day cause the more hot it gets the more water gets evaporated.

c) volatile liquids are kept in tightly closed bottles / else their ^{flav}sodas will ~~not~~ go away

7) a) Philosopher's stone (not a literal stone but was liquid / powder) with magical powers.

b) Food processing is the transformation of raw food materials by physical / chemical means into marketable food products that can be easily prepared & served to consumers.

c) It's possible to convert various ingredients into usable cosmetics due to knowledge of chemistry

d) The process from solid to gas directly ~~gas~~ is known as sublimation

Naphthalen balls decrease when left open cause the particles of the balls mix with the air