

- Food technologist
- Geochemist
- Marine Engineer
- Photochemistry
- Petro chemist
- Cosmetologist

PROBLEM IDENTIFICATION

- Hypothesis (suggestions to solve problem)
- Experimentation and investigation
- observation and recording of results
- Analysis of results and drawing conclusion.
- Testing the conclusion drawn
- Explaining what happened with conclusion
- Carrying out further experiments to
- Confirm or reject predictions or test for unexpected results.

SCIENTIFIC ATTITUDES

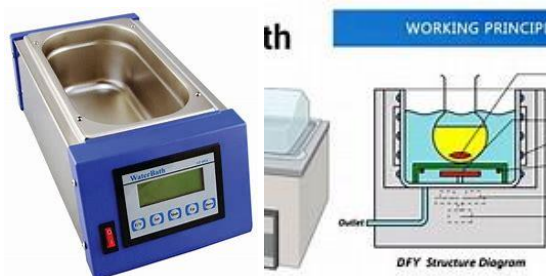
- 1) An Open-minded person
- 2) Able to reason out solutions to scientific problems based on his or her careful Observations and facts available
- 3) Critical in thinking and Careful in accepting the accuracy or otherwise of information and data he or she deals with.
- 4) Able to work systematically and keep records in an orderly and logical manner.
- 5) Able to accept his or her shortcomings and then develop new strategy to overcome
- 6) Keenly interested in research

AMAZING DISCOVERIES

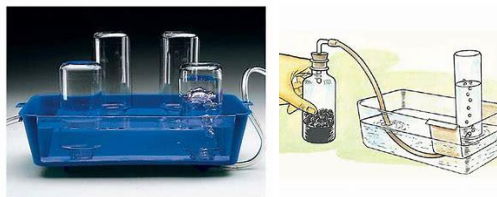
- ▶ The discovery of radioactivity in 1896 by the Frenchman Henri Becquerel. He set his himself up to produce X-rays from Uranium salt but his critical observation let him to discover radioactivity.
- ▶ The discovery of penicilin in 1928 by Alexander Fleming. This was also discovered by accident.
- ▶ the discovery of oxygen in 1774 by an English priest celled Joseph priestly.



TONGS: for holding hot objects.



WATER BATH for heating of highly inflammable liquid maintaining constant temperature of liquid mixtures/to obtain solute that would decompose on direct heating from aqueous solution.



WATER TROUGH for collecting water



BEEHIVE SHELF for standing gas jar during preparation of gases

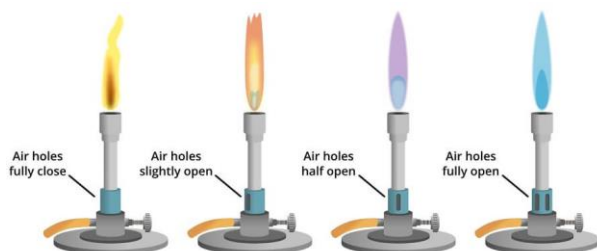


CENTRIFUGE for separating substances of different densities by centrifugal force.

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FUNNEL/GASS FUNNEL for transferring Solutions and liquids and also used in Filtration, or used in funneling liquid from one container to another or filtering when equipped with filter paper.



BUNSEN BURNER used for heating, sterilization and combustion.



TRIPOD STAND for supporting vessels during heating



WIER GAUZE usually placed on a tripod stand to reduce direct heating or Spreads heat evenly under the Container

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FIRE EXTINGUISHER



CUPBOARD

COMITON LABORATORY TECHNIQUES

- Rending a Meniscus
- Care of Reagents
- Care and use of Balance
- Titration
- Using a Bunsen burner