

Scientific Foundations - Chemistry - Ch. 1

I. Observations/Inferences

A. Observation:

- 1.
- 2.

B. Inference:

1. Statement
- 2.

C. Example:

II. The Scientific Method

A. The scientific method is a

about the world we live in.

B. Steps of the scientific method:

C. Theories rise from

D. Hypothesis, Theory and Law

1. A hypothesis an event.
2. A theory an event.
3. A law an event.

E. Models

1. Model –

F. Experimentation

1. – factor
- 2.
3. – factor that

Usually on
Usually on
for comparison.

III. What is Chemistry?

A. Chemistry is the

B. It is called a central science since it overlaps all other sciences.

IV. Matter, Mass and Weight

A. Matter: Anything that has

B. Mass:

C. Weight: