

Ch 1: Methods of Science

1.1:

1. Hypothesis
2. Field Studies
3. Variable
4. Data
5. Conclusion
6. Law
7. Theory

1.2:

1. Standard Units
2. Quantity
3. Volume
4. Mass
5. Weight
6. kelvin
7. Accuracy
8. Precision
9. Derived Quantity
10. Density

Ch 2: Fundamental Properties of Matter

2.1:

1. Matter
2. Solid
3. Liquid
4. Gas
5. Plasma
6. Pure Substance
7. Molecules
8. Atoms
9. Element
10. Compound
11. Mixture

2.2:

1. Property
2. Characteristic property
3. Physical property
4. Chemical property
5. Physical change
6. Boiling Point
7. Condensation point
8. Density
9. Freezing Point
10. Melting point
11. Resistance
12. Solubility
13. Phase changes
14. Evaporation
15. Sublimation

2.3:

1. Scientific model (the 3 features)
2. Kinetic molecular model of matter (*Take note of what Leucippus, Democritus and John Dalton have in common.*)
3. Robert Brown
4. Brownian motion
5. Thermal expansion