

Learning Target: I can understand how matter combines.
Success Criteria for Chemistry Common Unit Assessment 1:

The 7th grade science student will be able to:

1. Define and give examples of:

molecule

element

atom

bond

symbol

formula

atomic number

pure substances

mixture

periodic table families (You do not need to know the NAMES of the families)

periodic table periods

density

magnetism

crystals

Solubility

Independent variable

Dependent variable

Control

Constants

Qualitative and Quantitative observations

Inference

2. When given a formula, draw the molecule.
3. When given a drawing of a molecule, match it to the corresponding formula.
4. Correctly count the number of atoms in a chemical formula.
5. When given a formula or symbol, correctly identify whether it represents an element, molecule, symbol or formula.
6. Using your periodic table, be able to predict characteristics/properties of elements when given characteristics of other elements.
7. When given made up elements, be able to determine how the elements would be arranged on a periodic table.
8. When given models of different substances, be able to identify which substances would be pure or a mixture.
9. Apply what you know about properties to different scenarios.
10. Be able to accurately read and interpret graphs and charts.