

Break It Down!

Purpose: You will be using ChemSense to explore and demonstrate your understanding of the classification of matter.

Assignment 1: Draw a picture that shows an example of

- a. 2 molecules each of elemental chlorine and nitrogen. Draw a circle around them, and label it "A"
- b. 3 molecules each of 2 different compounds. Draw a circle around them, and label it "B"
- c. 3 atoms each of elemental iron and magnesium. Draw a circle around them, and label it "C"
- d. For a-c, include a text that identifies
 - the total number of atoms in each picture
 - the total number of elements in each picture
 - the total number of compounds in each picture
 - the total number of molecules represented in each picture.
- e. Save this in your folder as "Assignment 1"

Assignment 2: Draw a picture that shows the difference between a compound and a mixture.

- a. Be sure to use text to explain your drawing.
- b. Save this in your folder as "Assignment 2"