

Separating Mixtures

The components of a mixture may be separated based on the physical properties of: \_\_\_\_\_

\_\_\_\_\_ (An instrument that uses this property to separate mixtures when tiny solid particles are dissolved in a liquid is called a \_\_\_\_\_.)

Some techniques used to separate the components of a mixture are:

\_\_\_\_\_ --used to separate liquids and solids  
 \_\_\_\_\_ } used to separate solutions  
 \_\_\_\_\_

	Observation	Explanation
1.	_____ _____ _____	_____ _____ _____
2.	_____ _____ _____ _____	_____ _____ _____ _____
3.	_____ _____ _____ _____	_____ _____ _____ _____

Density - \_\_\_\_\_ per unit of \_\_\_\_\_

Density = \_\_\_\_\_

(D= \_\_\_\_\_ )

common units for density: \_\_\_\_\_, \_\_\_\_\_

Example problem: Suppose we have an object with a mass of \_\_\_\_\_ grams and a volume of \_\_\_\_\_ mL. What would be the density of this object?

### Problem Set One

1.

2.

3.

### Problem Set Two

1.

2.

3.

### The Chemistry Quiz

CR1. \_\_\_\_\_

CR2. \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_