

## Matter - What Does It Matter?

### I. Matter is

. Because of this, we need to classify it!

### II. Important term

A.

### III. Classifying Matter (more important terms)

A.

1.

a. Ex: Carbon, lead, magnesium, gold

2. elements (MEMORIZE!):

a. A molecule with

b. There are 7 diatomic elements

i.

ii.

3.

a. Ex. carbon dioxide, water

Still pure though!

B.

1.

a.

b. Ex. salt water, air, fake juice (drank?)

2.

a. can

b. Ex. sand in water, chocolate chip cookie, sandwich

### IV. Separating Mixtures (using phys. properties)

A. – separates a solid from a liquid

B. – separates homogeneous mixtures based on

C. – from a solution that contained that substance

D. – separates a mixture

### V. Properties of Matter (Describing Matter)

A. – property observed

1. Ex:

2.

3. property - on the amount of substance. Ex.

4. property - on the amount of substance. Ex.

B. – property observed

1. Ex:

### VI. Changes of Matter

A. – change where the identity of the substance

1. Ex:

B. – change where the identity of the substance

1. Ex:

2. Evidence of chemical change:

a. Formation of

b. Formation of

c.

d.