

OBJWS INTRO TO CHEM/MATTER AND ENERGY

CHEMIIH

CLASSIFICATIONS OF MATTER

1. Define the following terms.

A. heterogeneous mixture

B. solution

C. compound

D. element

2. Classify the following materials as heterogeneous mixtures, homogeneous mixtures, compounds, or elements. Justify.

A. Concrete

F. Snickers

B. Selenium

G. brass

C. baking powder

H. hydrogen sulfide

D. rubbing alcohol

I. apple

E. aluminum

J. soft drink

3. List 2 examples of a chemical change and a physical change.

4. Classify the following properties as chemical or physical.

A. heat conductivity

B. combustible

C. acid resistant

D. length

E. brittleness

F. displaces hydrogen from water

5. Classify the following changes as chemical or physical.

A. silver tarnishing

B. wood burning

C. shortening melting

D. milk souring

6. Spices can be identified by their scent. Is this an intensive property or extensive? Give a reason for your answer.

7. Go back to Ch 1 Lesson 1:

A. What is the type of chemistry that focuses on reaction rates?

B. What type of chemistry studies quality control?

8. Give 2 benefits of chemistry.