

## Quiz 1.2 – Matter, Properties, and Change

Name: Key

## Question 1

Indicate whether the following are *physical* or *chemical* changes:

- Cutting a sheet of paper physical
- A metal tool rusting in the rain chemical
- Ice melting in a glass of water physical
- Sugar dissolving in a glass of water physical
- A battery discharging as it is being used chemical

## Question 2

Indicate whether each property is *physical* or *chemical*, and *intensive* or *extensive*

- Density physical intensive
- Flammability chemical intensive
- Mass physical extensive
- Acidity chemical intensive
- Pressure physical intensive

## Question 3

Classify each of these substances as one of the following:

Pure Element    Pure Compound    Homogeneous Mixture    Heterogeneous Mixture

- Salt Water Homogeneous Mixture
- Helium Gas Pure Element
- Sugar Cubes Pure Compound
- Silicon Crystal Pure Element
- Marble Rye Bread Heterogeneous Mixture
- The Air Around Us Homogeneous Mixture