

Quiz 1.1 – Matter and Elements

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

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
- Marble Rye Bread Heterogeneous Mixture
- The Air Around Us Homogeneous Mixture

Question 3

Give the name or symbol for each element

Symbol	Name	Symbol	Name
<u>O</u>	Oxygen	<u>Mg</u>	Magnesium
Ge	<u>Germanium</u>	Mn	<u>Manganese</u>
<u>Br</u>	Bromine	<u>Es</u>	Einsteinium
Al	<u>Aluminum</u>	W	<u>Tungsten</u>