

## Quiz 1.1 – Matter and Elements

Name: \_\_\_\_\_

**Question 1**Indicate whether the following are *physical* or *chemical* changes:

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

**Question 2**

Classify each of these substances as one of the following:

Pure Element    Pure Compound    Homogeneous Mixture    Heterogeneous Mixture

- Salt Water \_\_\_\_\_
- Helium Gas \_\_\_\_\_
- Sugar Cubes \_\_\_\_\_
- Marble Rye Bread \_\_\_\_\_
- The Air Around Us \_\_\_\_\_

**Question 3**

Give the name or symbol for each element

Symbol	Name	Symbol	Name
_____	Oxygen	_____	Magnesium
Ge	_____	Mn	_____
_____	Bromine	_____	Einsteinium
Al	_____	W	_____

*When I Heard the Learn'd Astronomer*

By Walt Whitman

When I heard the learn'd astronomer,  
When the proofs, the figures, were ranged in columns before me,  
When I was shown the charts and diagrams, to add, divide, and measure them,  
When I sitting heard the astronomer where he lectured with much applause in the lecture-room,  
How soon unaccountable I became tired and sick,  
Till rising and gliding out I wander'd off by myself,  
In the mystical moist night-air, and from time to time,  
Look'd up in perfect silence at the stars.