

Quiz 1.2 – Matter, Properties, and Change

Name: _____

Question 1Indicate 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 2Indicate whether each property is *physical* or *chemical*, and *intensive* or *extensive*

- Density _____
- Flammability _____
- Mass _____
- Acidity _____
- Pressure _____

Question 3

Classify each of these substances as one of the following:

Pure Element Pure Compound Homogeneous Mixture Heterogeneous Mixture

- Salt Water _____
- Helium Gas _____
- Sugar Cubes _____
- Silicon Crystal _____
- Marble Rye Bread _____
- The Air Around Us _____

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.