What is NOT matter?

1. Lightning b) desk c) Kool-Aid d) air

Which is NOT a chemical property?

1. pH b) reactivity c) color d) toxicity

What is the definition of matter?

1. Mass & weight b) mass & volume c) volume & color d) particles & size

Which is NOT a physical property?

1. Mass b) ductility c) oxidation d) solubility

Which state of matter is hardest to compress?

1. Solid b) liquid c) gas d) plasma

Which state of matter has a definite volume, but variable shape?

1. Solid b) liquid c) gas d) plasma

Which state of matter has a variable shape and a variable volume?

1. Solid b) liquid c) gas d) none of the above

What would increase the boiling point of a liquid?

1. Volume b) mass c) pressure d) temperature

Which is correct?

1. A mixture is composed of one thing
2. A mixture contains more than one thing
3. Mixtures have a fixed composition
4. You can see every part of a mixture at all times

What information would help you separate alcohol & water?

1. Boiling point b) color c) water is from the tap d) equal parts alcohol & water

An object is yellow with no luster, with a mass of 10.75 grams and a melting point of 110 degrees Celcius. Which of the following is extensive?

1. Yellow b) mass c) luster d) melting point

What type of property is conductivity?

1. Intensive b) extensive c) chemical d) dependent

What type of property is density?

1. Intensive b) extensive c) chemical d) dependent

Which has the least amount of kinetic energy?

1. Solid b) liquid c) gas d) unable to determine

When a substance changes from a solid to a liquid, its density normally decreases. What is happening to the substance's mass and volume to cause this decrease in density?

a) Mass will increase while the volume stays the same.

b) Mass will decrease while the volume stays the same.

c) Volume will increase while the mass stays the same.

d) Volume will decrease while the mass stays the same.

A metal object with a density of 5.50 g/mL is cut in half. What is the density of half of the metal object?

1. 2.25 g/mL b) 5.50 g/mL c) 10.1 g/mL d) 2.75 g/mL

What would be MOST helpful in identifying an unknown white crystal?

1. Solubility b) particle size c) melting point d) mass

If something burns, explodes, or is dangerous, what is it called?

1. Basic b) corrosive c) flammable d) hazardous

Who cleans up after students that complete a lab?

1. Custodial staff b) the next class c) the teacher d) the students completing lab

What should you do with long hair in lab?

1. Have your partner do the lab b) tie it back c) comb it d) ask the teacher

When is it ok to eat in the lab?

1. If you bought it at school b) if we aren’t using chemicals c) never d) when lab is over

What would you use to precisely measure volume?

1. Buret b) Erlenmeyer flask c) graduated cylinder d) beaker