

Properties of Matter

Name _____

Directions: Read the text *Properties of Matter* and then answer the questions below.

1. Use context clues or a dictionary to define the following terms:

Physical property - _____

Chemical property - _____

Luster - _____

Malleability - _____

Ductility - _____

Reactivity - _____

Flammability - _____

Combustibility - _____

Toxicity - _____

Corrosion - _____

2. Complete the chart below with every physical and chemical property listed in the text.

Physical Properties (Can you find all 12?)	Chemical Properties (Can you find all 5?)

3. Viscosity is property of matter. Viscosity describes a fluid's resistance to flow. Syrup and honey do not flow very fast when compared to water, so they are more viscous. Is viscosity a physical or a chemical property? Explain your answer.

4. A spoon made of pure silver has a mass of 15 grams, a volume of 1.43cm^3 , and a density of 10.49g/cm^3 . Silver is used in spoons because it has no toxicity to humans. Silver is a shiny metal which tarnishes (reacts with gases in the air) easily. It has a melting point of 960°C and a boiling point of 2212°C . It is used in jewelry because it is malleable, and it's used in electrical circuits because it has a high electrical conductivity. Silver is not magnetic.

a. What are the physical properties of a silver spoon?

b. What are the chemical properties of a silver spoon?