

Exploring Properties of Matter

Grade 5 Science | Unit 1 Lesson 1 | Worksheet

Name: _____ Class: _____ Date: _____

1 Match the evidence

Draw a line from each observation on the left to the property it shows on the right. Use each property once.

Observation	Property
Sugar stirred into water dissolves.	Reflectivity
Light bounces off a polished surface.	Conductivity
A magnet pulls an iron paper clip toward it.	Solubility
Electricity passes through a metal wire.	Magnetism

2. Sort the observations. Write **P** for a physical property or **C** for a chemical property.

- a. A metal wire allows electricity to pass through it. _____
- b. A material can burn and form new substances. _____
- c. A polished surface reflects light. _____
- d. An iron nail can react with air and moisture to form rust. _____

3. Which statement describes mass?

- A. The space an object occupies
- B. The amount of matter in an object
- C. The amount of light an object reflects
- D. The shape of an object

4. Which unit is used to measure mass?

- A. Liters
- B. Centimeters
- C. Grams
- D. Cubic centimeters

5. Which statement describes volume?

- A. The amount of matter in an object
- B. The amount of space an object occupies
- C. The ability of a material to dissolve in water
- D. The ability of a material to conduct heat

6. A _____ property can be observed or measured without changing the identity of the matter.

7. A _____ property describes the ability of matter to change into a different substance.