Phisical and chemical properties

6th Grade

Student Name: _____

Learning Objective: Students will be able to identify and describe the difference between physical and chemical properties of matter, recognize examples of each in everyday life, and understand how these properties help us classify substances.

Multiple Choice

Instructions: Read each question carefully, choose the letter (A, B, C, or D) that best answers the question.

1. **Which of the following is a physical property of matter?**

A. The ability to burn
B. Color
C. Ability to rust
D. Ability to react with vinegar

2. **When wood burns, it turns into ash and smoke. This is an example of a:**

A. Physical change
B. Physical property
C. Chemical change
D. Change of state

3. **Which of these is a chemical property?**

A. Density
B. Boiling point
C. Flammability
D. Hardness

4. **A student bends a piece of aluminum foil into a ball. What kind of change is this?**

A. Chemical change, because the shape changed
B. Physical change, because no new substance was formed
C. Chemical property, because a tool was used
D. Physical property, because it is shiny

5. **Iron rusting is an example of which type of property?**

A. Physical property
B. Physical change
C. Chemical property
D. Change of state

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6. Which of the following properties can be observed WITHOUT changing the substance into something new?

A. Flammability
B. Reactivity with water
C. Melting point
D. Ability to corrode

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