

Chemical Properties Of Matter

Name _____
Class _____ Date _____

Science Fact: Materials have many different chemical properties. Chemical properties of matter describe how a substance acts when it undergoes chemical change. For example, a chemical property of iron is its ability to combine with oxygen and moisture to form rust. Chemical properties of a material tell us whether the material stays the same or changes under various conditions and how the material acts on other materials. The knowledge of physical and chemical properties helps scientists analyze and classify substances.

A Short Answers

- Name four ways you can use your senses to identify a material by its physical properties.
1. _____ 2. _____ 3. _____ 4. _____
- Can you always tell what a material is by looking at it? _____
Give an example:
- What type of properties describes how a substance acts under various conditions?
- What type of properties describes how one material acts on other material?
- How do scientists use their knowledge of physical and chemical properties?
- Can materials that look the same have different chemical properties?
- How do scientists identify the chemical properties of matter?
- If you had a piece of asbestos paper and a piece of plain paper that looked the same, How could you discover which was which?
- If you had a jar of alcohol and a jar of water, how could you tell which jar contained the alcohol?