

Name: _____ Date: _____

Science

Physical and Chemical Changes

Read over/study the notes below.

Physical Properties

Physical properties can be observed or measured.

- | | | | |
|----------|---------|--------|--------|
| ❖ colour | height | size | length |
| ❖ shape | texture | luster | |

Physical Changes

During a physical change, no new substance is formed.

Characteristics

- ❖ may change shape or size
- ❖ may change state of matter
- ❖ It can often be undone

Examples of Physical Change



sharpening a pencil



ice melting



broken cup

Chemical Properties

Chemical properties describe how particles are re-arranged when one substance reacts with another substance.

Chemical Changes

A **new substance** is formed during a chemical change.

Characteristics

- odor/smell
- changes color
- burning/fire
- usually cannot be undone

Examples of Chemical Changes



rusty nails



rotten strawberry



burning wood

Antioxidants are substances that prevent rusting.