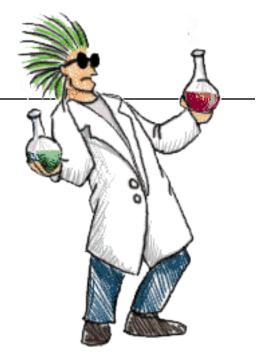
Physical and Chemical Changes

A Write On Activity



Objective: Chemical/Physical Change: Differentiate



Essential Questions

How can matter be changed?

How can I tell if matter has undergone a physical or chemical change?

Matter

□ Matter is everywhere.

- □ Matter is anything that takes up space and has mass.
- Matter is constantly experiencing both chemical and physical changes.

- Physical changes occur when matter changes its property but not its chemical nature.
- Physical property changes could include a change in: texture, shape, size, color, odor, volume, mass, weight, and density.



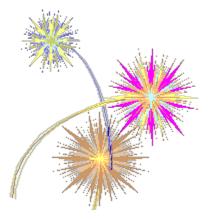


Chemical Change

- Chemical changes are changes matter undergoes when it becomes new or different matter.
- To identify a chemical change look for signs such as color change, bubbling and fizzing, light production, smoke, and presence of heat.

Chemical Change

□ A chemical change occurs when fireworks are used. Fireworks are made of metals such as magnesium and copper. These change chemically as they light up the sky.



Sugar dissolving in tea

Chemical Change







Did it change size, color, shape (Physical Change)?

or







Logs burning

Chemical Change







Did it change size, color, shape (Physical Change)?

or







Breaking water up by separating it into hydroger and oxygen



Chemical Change





Did it change size, color, shape (Physical Change)?

or







Cutting paper

Chemical Change





Did it change size, color, shape (Physical Change)?

or







Crushing an aspirin

Chemical Change







Did it change size, color, shape (Physical Change)?

or







□Metal rusting

Chemical Change







Did it change size, color, shape (Physical Change)?

or







Lighter fluid burining

Chemical Change







Did it change size, color, shape (Physical Change)?

or







□An egg rotting

Chemical Change



Smells Like...

Rotten Eggs





Did it change size, color, shape (Physical Change)?

or







□An egg breaking

Chemical Change





Did it change size, color, shape (Physical Change)?

or







Writing Activity

Write a paragraph about the difference between a chemical and physical change. Give examples of each.

