

Physical Changes and Chemical Changes

Jared

4th grade

Mrs. Mitchell

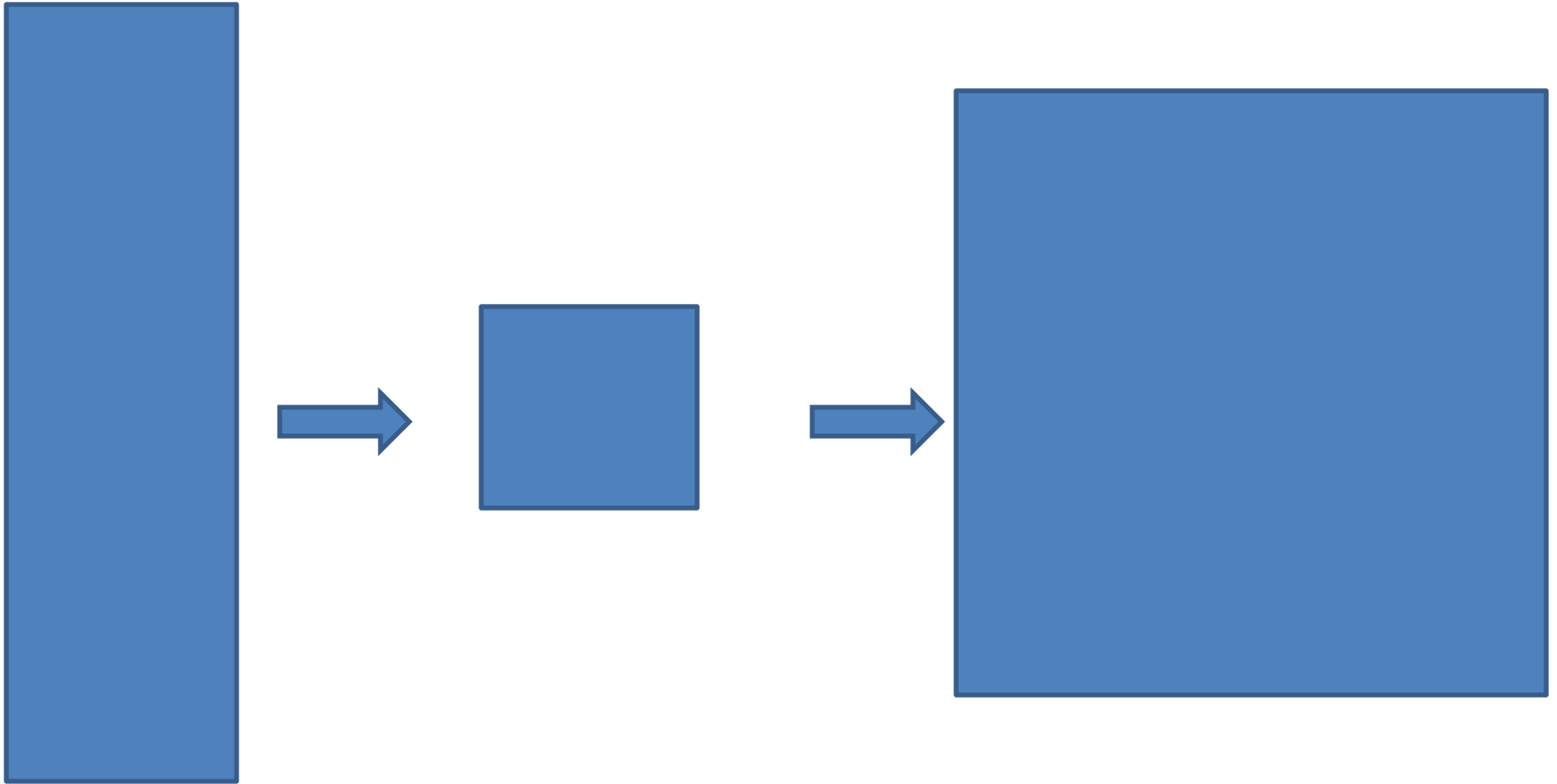
Physical Change

A change that begins and ends with the same type of matter.

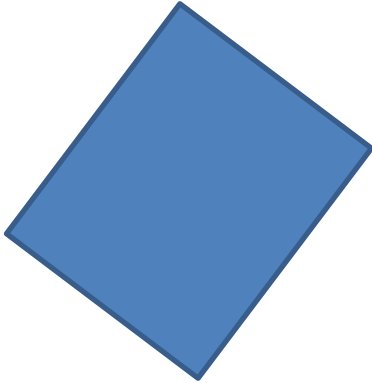
There are 3 kinds of physical changes:

- 1. A change in size or shape
- 2. A change in position or texture
- 3. A change in state

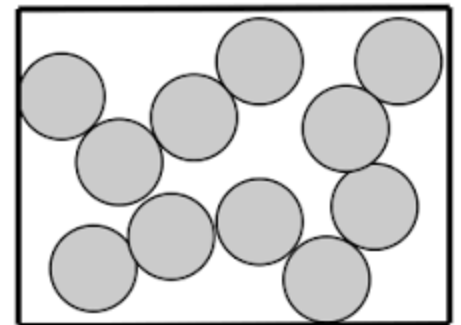
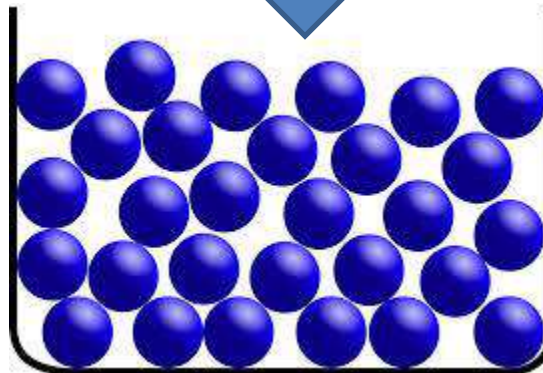
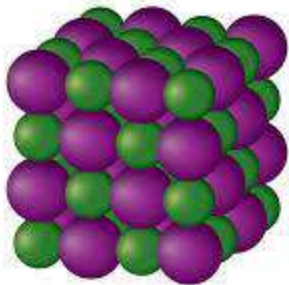
Change in size or shape:



Change in position or texture



Change of state



To change from a solid, to a liquid, to a gas, add heat.



Fires are examples of giving off heat energy and to melt certain things.



To change from a gas to a liquid, to a solid, take away heat.

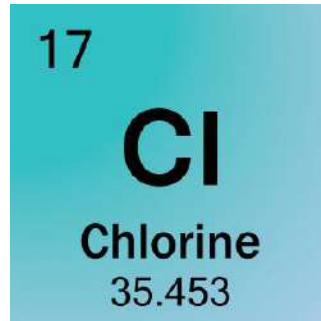
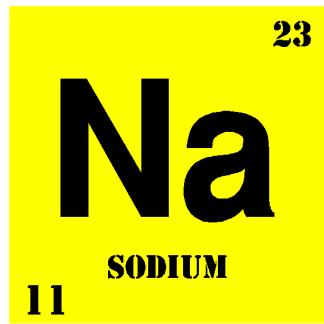


Refrigerating is an example of keeping heat energy away to make stuff cold and keep a solid.

Chemical Changes

A change that produces new matter with different properties from the original matter.

An example of a chemical change



SODIUM



CHORINE

TABL

Tarnish is an annoying chemical change



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Salt is a beneficial chemical change.



Rust is a harmful chemical change.

