

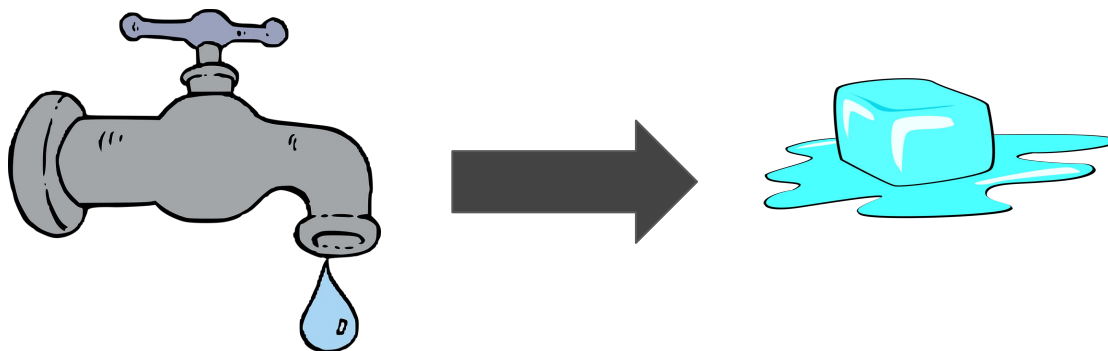
# Physical and Chemical Changes Drawing Project

**Objective:** illustrate each type of change to matter and their differences.

**NGSS MS-PS1-2:** Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.

## Directions:

1. On 1 sheet of paper, draw an example of a physical change. On a 2nd sheet of paper draw an example of a chemical change.
2. Each drawing needs the following:
  - A title
  - A large arrow representing where the reaction takes place.
  - 3+ sentences describing the change taking place.



**\*\*You cannot use this example! \*\***

This picture represents the physical change that takes place when liquid water is frozen. The water changes state and becomes ice. It is a physical change because....

Name \_\_\_\_\_

# Physical and Chemical Changes Grading Checklist

## Physical Change Picture

“Physical Change” written at the top and spelled correctly? \_\_\_\_/1 pt

Pictures colored? \_\_\_\_/1 pt

Pictures neatly drawn? \_\_\_\_/1 pt

Is it demonstrating a physical change? \_\_\_\_/1 pt

Is the description included and spelled correctly? \_\_\_\_/2pts

### Quality of Description

--identifies before and after picture \_\_\_\_/1pt

--states why this is a physical change \_\_\_\_/1 pt

--provides additional details to explain physical change \_\_\_\_/2pts

**Points Physical Change: \_\_\_\_\_/10pts**

## Chemical Change Picture

“Chemical Change” written at the top and spelled correctly? \_\_\_\_/1 pt

Pictures colored? \_\_\_\_/1 pt

Pictures neatly drawn? \_\_\_\_/1 pt

Is it demonstrating a chemical change? \_\_\_\_/1 pt

Is the description included and spelled correctly? \_\_\_\_/2pts

### Quality of Description

--identifies before and after picture \_\_\_\_/1pt

--states why this is a chemical change \_\_\_\_/1 pt

--provides additional details to explain chemical change \_\_\_\_/2pts

**Points Chemical Change: \_\_\_\_\_/10pts**

**Total Points for Drawing Project \_\_\_\_\_/20 pts      Letter Grade: \_\_\_\_**