

JR-SCIENTISTS

MELTING CRAYONS

This colorful and fun project will help kids learn about the science behind physical change!

INSTRUCTIONS

STEP 1. Preheat oven to 275 degrees.

STEP 2. Peel the paper off the crayons and cut into tiny pieces.

STEP 3: Fill each crayon mold with different colors, anything goes! Similar shades will create a nice effect or try color mixing by combining blue and yellow!

STEP 4: Place in the oven for 7-8 minutes or until crayons are melted.

STEP 5. Remove carefully from the oven and let it cool completely.

STEP 6. Once cooled, pop out of molds and have fun coloring!

SUPPLIES:

**Silicon Mold
Crayons
Knife
(with adult
supervision)**

WHAT IS A PHYSICAL CHANGE?

Physical changes are changes that occur in matter without changing its chemical composition. In other words, the atoms and molecules that make up your crayons stay the same; no new substance is formed when you melt them. But there is a change in the appearance or physical properties of the crayons.

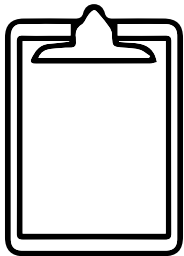
Physical changes differ from chemical changes or chemical reactions, which occur when the substances are changed into one or more new substances. A chemical change is a change in the chemical composition of the matter. In contrast, a physical change isn't!

Melting Crayons Observations



Use this worksheet to process and evaluate your work.

What do you think will happen when you put crayons in an oven?



RECORD

What did you observe? What happened to the crayons?

What happens if you freeze melted crayons?

What happens if you mix different colored melted crayons together?

Can you think of any more examples of physical changes?

