



## RAINBOW CRAYONS

Explore physical changes with crayons to make art.

### Materials

- 7 Different colored crayons with paper peeled off
- Hair Dryer
- Piece of paper
- Newspaper
- Glue stick
- Double sided tape
- Pair of safety goggles
- Cardboard



### Procedure

- Line up your crayons in the color order of a real rainbow.
- Glue a piece of paper to the cardboard using a glue stick.
- Attach the crayons to the top center of the paper using the tape.
- Lean your cardboard at an angle against a wall or a few books. Lay newspaper out under it to catch any spills.
- Put on your safety goggles.
- With the help of an adult, heat the tips of the crayons with the hairdryer.
- Do not to touch the melted crayons until they have had time to cool.

### Results

The crayons melted down the paper!

### Why?

Crayons are made of wax, which melts under moderate heat. When you applied heat from the hair dryer, the crayons melted into a liquid and dripped down the paper, creating a rainbow picture. As the liquid crayons cooled, they became a solid again on the paper. This activity is an example of a reversible change, since the melting was reversed once the crayons had a chance to cool.