

POP ROCKS

Set up a quick science lab and Pop Rocks experiment to learn more about the cool chemistry that takes place.

INSTRUCTIONS:

STEP 1: Gather all the materials needed for the experiment. Label the small cups or containers with the names of the liquids you'll be using.

STEP 2: Open a packet of Pop Rocks and observe their appearance and texture before adding any liquids.

STEP 3: Pour a measured amount (1/4 cup) of one liquid into a labeled cup. Open a packet of Pop Rocks and pour the entire contents into the cup with the liquid. Start the stopwatch or timer as soon as the Pop Rocks come in contact with the liquid.

STEP 4: Observe and record the reaction of the Pop Rocks in terms of sound, fizzing, and any other noticeable changes.

STEP 5: Repeat for each liquid.

POP ROCKS

Pop Rocks are made from a mixture of sugar, lactose, and carbon dioxide gas. During the candy-making process, the mixture is heated, causing the sugars to melt and trapping carbon dioxide gas within the syrup. As the mixture cools and solidifies, the gas remains trapped in tiny pockets within the candy. When you place Pop Rocks in your mouth and your saliva dissolves the candy, the pressurized gas is suddenly released with a popping sound and a tingling sensation on your tongue!

SUPPLIES

**Pop Rocks
(multiple packets)**

**Various liquids
(e.g., water (hot
and/or cold), soda,
vinegar, cooking oil,
fruit juice)**

**Measuring cups or
Small cups or
containers**

Stopwatch or timer

Pen and paper

FUN POP ROCKS EXPERIMENT

Record your results:

WATER

RUBBING
ALCOHOL

VINEGAR

COOKING
OIL

How long until reaction began?				
How long did reaction last?				
Behavior of candy?				
Behavior of liquid?				
Describe the reaction:				

5 SENSES POP ROCKS

This pop rocks science experiment exploring the sense of hearing makes a neat messy sensory play activity!

INSTRUCTIONS:

STEP 1: Empty the pop rocks candy into cups and print out our pop rocks 5 senses worksheet to record your observations!

STEP 2: Ask your kids the following questions and encourage them to explore the Pop Rocks with each of their senses. What do you see?

What do you smell? What do you hear? What do you feel? What do you taste?

STEP 3: To extend the learning opportunity for older kids, get them to write down their observations for each of the 5 senses.

THE FIVE SENSES

The five senses help us explore and understand the world around us.

We use our eyes to see the colorful rainbow, our ears to hear the birds singing sweetly, our noses to smell freshly baked cookies, our tongues to taste yummy ice cream, and our skin to feel the softness of a cuddly teddy bear. Our senses work together like a team, helping us enjoy and learn from everything we experience.

SUPPLIES

Several packets of
Pop Rocks candy
Cups
Magnifying glass
Printable 5 Senses
Worksheet

Pop Rocks Science

Explore The 5 Senses

Look. Smell. Touch. Listen. Taste. Record your results!

