



PEEP DOUGH

SCIENCE SAFETY

PLEASE follow these safety precautions when doing any science experiment.

- **ALWAYS** have an adult present.
- **ALWAYS** wear the correct safety gear while doing any experiment.
- **NEVER** eat or drink anything while doing any experiment.
- **REMEMBER** experiments may require marbles, small balls, balloons, and other small parts. Those objects could become a CHOKING HAZARD. Adults are to perform those experiments using these objects. Any child can choke or suffocate on uninflated or broken balloons. Keep uninflated or broken balloons away from children.

INGREDIENTS

- Peeps
- Coconut Oil
- Powder Sugar

INSTRUCTIONS

STEP 1: Place three Peeps into a bowl. Are the peeps a solid or a liquid and why? Describe the peeps by using their observable properties. Add one tablespoon of coconut oil and microwave the ingredients for 10 seconds.

STEP 2: Remove the ingredients from the microwave, add three tablespoons of powder sugar, and mix.

STEP 3: Add another tablespoon of powder sugar, remove from bowl, mix with your hands, and observe. Is the peep dough a solid or a liquid and why? Describe the Peep dough by using its observable properties. Does mixing the ingredients together result in a new substance? Explain why or why not.

EXPLANATION

Adding heat and mixing the ingredients together causes an observable change to the Peeps. Peep Dough has mass and takes up space, which makes it matter. Matter can exist as a solid, liquid, or gas. Peep Dough is considered a solid.



SCIENCE BACKGROUND

Matter is anything that has mass and takes up space. Matter can exist as a solid, liquid, and gas. Matter can be described and classified by its observable properties. Different properties are suited to different purposes. Measurements of a variety of properties can be used to identify materials. Heating or cooling a substance may cause changes that can be observed. For example, ice can go from a solid to a liquid. This is a change of states and considered a physical reaction. A physical reaction does not result in a new substance. A chemical reaction is a change that results in one or more new substances.

I CAN STATEMENTS

- I can plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
- I can construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.
- I can conduct an investigation to determine whether the mixing of two or more substances results in a new substances.

NEXT GENERATION SCIENCE STANDARDS CONNECTION

- 2 – Structure and Properties of Matter
- 5 – Structure and Properties of Matter

