



DUNKED NAPKIN

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

- Transparent Plastic Cup
- Water
- Napkin
- Deep Container or Aquarium

INSTRUCTIONS

STEP 1: Fill the deep container or aquarium 3/4 of the way with water. Describe and classify the water by its observable properties.

STEP 2: Crumple the napkin and stuff it into the transparent plastic cup. Describe and classify the napkin by its observable properties.

STEP 3: Turn the cup upside-down and dunk it completely into the deep container or aquarium of water.

STEP 4: Remove the cup from the water and observe the napkin. Is it wet or dry? Why? Describe and classify the napkin by its observable properties.

EXPLANATION

While dunking the upside-down cup, with a napkin inside, you captured some air. Air is matter, which is anything that takes up space and has mass. The air keeps the napkin dry.



SCIENCE BACKGROUND

Matter is anything that has mass and takes up space. Different kinds of matter exist and many of them can be either solid or liquid, depending on temperature. Matter can be described and classified by its observable properties. Measurements of a variety of properties can be used to identify matter. Different properties are suited to different purposes.

I CAN STATEMENT

- ✓ I can plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

NEXT GENERATION SCIENCE STANDARDS CONNECTION

2 – Structure and Properties of Matter | Patterns