



THE SEAL OF GOD

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.

LEAKPROOF BAG

INGREDIENTS

- Several Round Sharp Pencils
- Water
- Resealable Storage Bag

INSTRUCTIONS

STEP 1: Fill the resealable storage bag with water. Describe the resealable storage bag by its observable properties.

STEP 2: Gently push the round sharp pencils through the bag. What happens? Explain how pushing the round sharp pencils through the resealable storage bag can be used as a model to describe how matter is made up of particles too small to be seen.

EXPLANATION

The bag is made of polymers. Polymers are long, repeating chains of molecules. When the sharp pencil is pushed through the bag, these chains of molecules seal up around the pencil, preventing the water from leaking out of the bag.



BIBLE TRUTH

God is the chain that links us together, keeping us safe, during the rough times in our lives.

WHAT THE BIBLE SAYS

Joshua 1:9

Have I not commanded you? Be strong and courageous. Do not be afraid; do not be discouraged; for the Lord your God will be with you wherever you go.

BIBLE CONNECTION

Long repeating chains of molecules seal up around the pencils, preventing the water from leaking out of the bag. God is the chain, which seal us together during the rough times in our lives.

SCIENCE WORDS

MATTER – Anything that takes up space and has mass.

POLYMER – Long, repeating chains of molecules.