



GOD'S FORCE

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.

FLOATING BALLOONS

INGREDIENTS

- 3 Balloons
- Fan

INSTRUCTIONS

STEP 1: Inflate and tie a small balloon, medium balloon, and large balloon

STEP 2: Turn the fan to the lowest speed.

STEP 3: Place the balloons, in order, from smallest to largest, in the flow of air. Provide evidence of the effects of balanced and unbalanced forces on the balloons.

STEP 4: Turn the fan to the highest speed. Compare the effects of different strengths or different directions of pushes and pulls on the motion of the balloons.

EXPLANATION

Air from the fan pushes the balloons upward while gravity pulls the balloons downward. The balloons float where the forces balance.



BIBLE TRUTH

God is the force, keeping us balanced, keeping us afloat, in life.

WHAT THE BIBLE SAYS

Psalm 46:1

God is our refuge and strength, an ever-present help in trouble.

BIBLE CONNECTION

Just as balanced forces keep the balloons afloat, God is the force, balancing us, keeping us afloat, in life.

SCIENCE WORDS

FORCE – A push or pull, which can cause an object to be in motion.

MOTION – A change in position.