



FLOATING FAITH

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.

DANCING RAISINS

INGREDIENTS

- Clear Carbonated Soda
- Transparent Drinking Glass
- Raisins

INSTRUCTIONS

STEP 1: Fill the transparent drinking glass 3/4 of the way with the clear carbonated soda. Describe and classify the clear carbonated soda by its observable properties.

STEP 2: Drop several raisins into the transparent drinking glass of clear carbonated soda and observe. Describe and classify the raisins by their observable properties.

EXPLANATION

The raisins initially sink since they are denser than the clear carbonated soda. The carbon dioxide gas bubbles, in the clear carbonated soda, stick to the surface of the raisins. This now makes the raisins less dense than the soda causing them to float up through the soda. Once the raisins reach the top, the bubbles pop, and the raisins sink back to the bottom.



BIBLE TRUTH

God keeps you afloat when you are sinking.

WHAT THE BIBLE SAYS

Isaiah 40:31

Those who hope in the Lord will renew their strength. They will soar on wings like eagles; they will run and not grow weary, they will walk and not be faint.

BIBLE CONNECTION

God is your carbon dioxide gas bubbles, sticking to you, lifting you up, and keeping you afloat, when you are sinking.

SCIENCE WORDS

MATTER – Anything that takes up space and has mass.