



## TEA BAG GOSPEL

### 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.

### Tea Bag Rocket

#### INGREDIENTS

- [Bigelow Earl Grey Black Tea Bag](#)
- Scissors
- Grill lighter

#### INSTRUCTIONS

**STEP 1:** Using the scissors remove the staple and string from the Bigelow Earl Grey Black Tea bag.

**STEP 2:** Open the Bigelow Earl Grey Black Tea bag and remove the tea leaves.

**STEP 3:** Open the Bigelow Earl Grey Black Tea bag to form a cylinder. Place the cylinder upright on a flat surface, away from curtains or anything that might catch fire.

**STEP 4:** Using the grill lighter, have an adult, ignite the top of the tea bag, and observe. Provide evidence that energy is transferred from place to place by heat.

#### EXPLANATION

Convection, the transfer of heat by currents within a gas, in the cylinder, creates an upward force. Eventually, the upward force lifts the tea bag, into the air, creating a tea bag rocket.



#### BIBLE TRUTH

Jesus died on a cross, for our sins, so we can experience everlasting life.

#### WHAT THE BIBLE SAYS

##### *Ephesians 2:8-10*

For it is by grace you have been saved, through faith and this is not from yourselves, it is the gift of God, not by works, so that no one can boast. For we are God's handiwork, created in Christ Jesus to do good works, which God prepared in advance for us to do.

#### BIBLE CONNECTION

The tea bag represents you while the tea, inside the bag, represents sin in your heart. Removing the staple and string, from the tea bag, represents you asking God to take control of your life, setting you free from the world. Removing the tea from the tea bag represents the removal of sin from your heart. Standing the tea bag up represents you gaining the ultimate strength due to accepting Jesus into your heart. Lighting the tea bag represents a heart, which burns for God. If you continue to live a life free of sin you will lift into heaven just like the tea bag lifts into the air.

#### SCIENCE WORDS

**HEAT** – To add heat energy to a substance.

**CONDUCTION** – The transfer of heat by direct contact

**CONVECTION** – The transfer of heat by currents within a liquid or gas.

**RADIATION** – The transfer of thermal energy by electromagnetic waves.