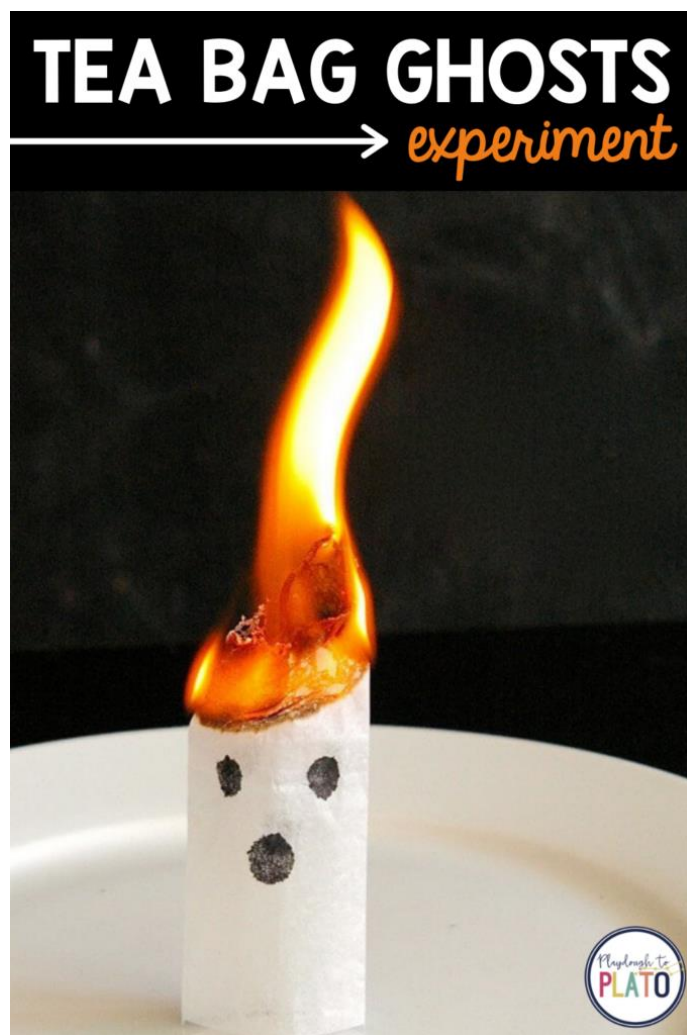


TEA BAG GHOSTS



1. Draw a ghost face on a tea bag and balance it upright on the plate
2. Light the top of the ghost
3. Watch what happens!

A decorative border of small, stylized pumpkins with carved faces, arranged in a rectangular frame around the text.

TEA BAG GHOSTS

The Science Behind It

Air takes up space inside and outside of the tea bag cylinder. When we light the teabag on fire, the air gets hot. The particles move around more and take up more room. The hot air inside the cylinder spreads out and is less dense than the cooler air outside the cylinder. The less dense hot air rises above the cooler, more dense air.

Heating the cylinder also caused a convection current. This movement of air molecules creates a current that helps push the nearly ash tea bag into the air.

Questions for Learning

- What happens to air when we light the tea bag on fire?
- Could we fit more cold air molecules or hot air molecules into the room without them colliding with each other?
- Can you explain how the ghost flies?