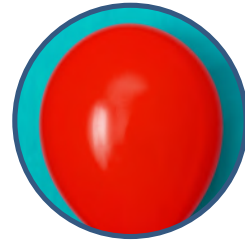


STATIC ELECTRICITY

MATERIALS NEEDED:



DRY CEREAL



1 BALLOON



WOOL FABRIC

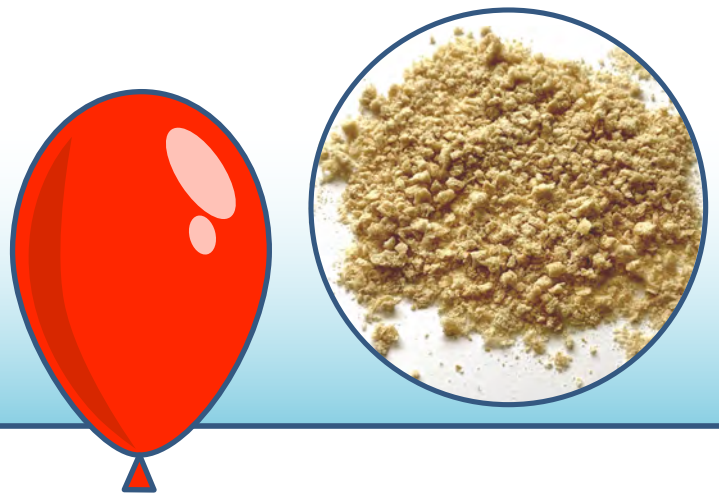
EXPERIMENT 1:

What is Static Electricity?

When electricity is at rest, it is called static electricity. Static electricity is electrons that transfer or “jump” from one place to another without flowing in a continuous path. Rubbing or brushing objects transfers electrons, creating a charge and, therefore, an electric field. The field affects objects nearby, producing an unlike charge in them, and the unlike charges are drawn together.

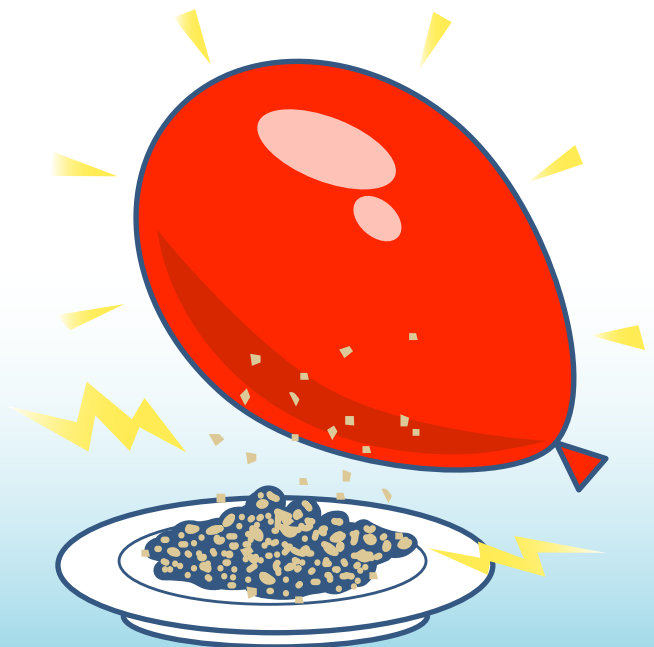
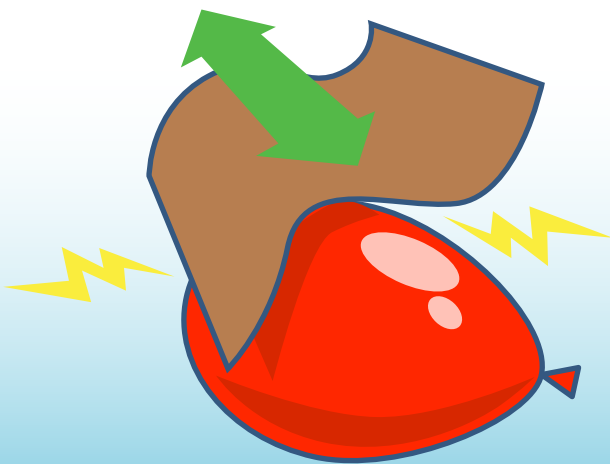
STEP 1:

- Place the dry cereal on a paper towel or plate and crush into small crumbs (not powder).
- Inflate the balloon with air and tie it off.



STEP 2:

- Gently (but quickly) rub the inflated balloon on the wool fabric.
- Hover the area of the balloon you rubbed over the crushed cereal.
- Watch the cereal jump onto the balloon. You’ve created static electricity!
- Try using other types of cloth and different types of dry cereal.



Which cloth worked the best: _____

Which cereal worked the best: _____