FRANKENSTEIN'S MATZAH

SUPER SEDER SCIENCE

LIFT OFF

QUESTION: WHAT HAPPENS TO THE TISSUE PAPER WHEN YOU PUT THE BALLOON OVER IT?

- ☐ **MATERIALS**
- ☐ BALLOON
- ☐ TISSUE PAPER
- ☐ _____

DIRECTIONS:

1) BLOW UP BALLOON
2) RIP A SMALL SQUARE OF TISSUE PAPER.
3) RUB BALLOON ON YOUR HAIR.
4) PUT BALLOON NEAR THE TISSUE.

USE YOUR SCIENTIFIC METHOD SHEET TO RECORD YOUR OBSERVATIONS.

WHAT'S HAPPENING?

EVERYTHING IS MADE OF ATOMS. ATOMS CONTAIN TINY PARTICLES CALLED ELECTRONS THAT CARRY A NEGATIVE CHARGE. WHEN YOU RUB THE BALLOON ON YOUR HAIR, IT PICKS UP EXTRA ELECTRONS AND BECOMES NEGATIVELY CHARGED.

THE TISSUE PAPER STARTS OUT NEUTRAL, BUT WHEN THE CHARGED BALLOON GETS CLOSE, THE CHARGES INSIDE THE TISSUE SHIFT. THE SIDE NEAREST THE BALLOON BECOMES SLIGHTLY POSITIVE, SO THE TISSUE IS PULLED TOWARD THE BALLOON.

TRY IT: WILL THE BALLOON ATTRACT A WATER STREAM FROM THE FAUCET?

STATIC ELECTRICITY