FRANKENSTEIN'S MATZAH

SUPER SEDER SCIENCE

FLOATING EGG EXPERIMENT

PLACE UNCOOKED EGG IN CUP AND FILL WITH WATER.

QUESTION: WHAT HAPPENS WHEN YOU CHANGE THE DENSITY OF THE WATER BY ADDING SALT?

MATERIALS

- ☐ SALT
- ☐ 1 LARGE CLEAR CUP
- ☐ EGG
- ☐ STIRRING STICK
- ☐ TABLESPOON

DIRECTIONS: ADD 1 TABLESPOON OF SALT AT A TIME. STIR GENTLY.

USE YOUR SCIENTIFIC METHOD SHEET TO RECORD YOUR OBSERVATIONS.

WHAT'S HAPPENING?

THE EGG SINKS IN WATER BECAUSE IT IS DENSER THAN THE WATER. WHEN YOU ADD SALT, THE SALT DISSOLVES AND MAKES THE WATER DENSER. DENSER WATER PUSHES UP HARDER ON OBJECTS. WHEN THE WATER BECOMES DENSER THAN THE EGG, THE UPWARD PUSH (CALLED BUOYANCY) IS STRONG ENOUGH TO MAKE THE EGG FLOAT.

TRY IT: ADD SUGAR INSTEAD OF SALT

WATER DENSITY