

DENSITY TOWER

MATERIALS

- CLEAR GLASS
- CORN SYRUP OR HONEY
- COLORED WATER
- VEGETABLE OIL
- TURKEY BASTER



INSTRUCTIONS

1. POUR CORN SYRUP OR HONEY INTO THE GLASS UNTIL IT FORMS A LAYER ABOUT 1 INCH THICK AT THE BOTTOM.
2. CAREFULLY AND SLOWLY, USE THE TURKEY BASTER TO POUR COLORED WATER DOWN THE SIDE OF THE GLASS UNTIL IT FORMS A LAYER ON TOP OF THE CORN SYRUP.
3. CAREFULLY AND SLOWLY, USE THE TURKEY BASTER TO POUR OIL DOWN THE SIDE OF THE GLASS UNTIL IT FORMS A LAYER ON TOP OF THE WATER.
4. TAKE A MOMENT TO ADMIRE THE COLORFUL LAYERS OF YOUR DENSITY TOWER! YOU SHOULD SEE LAYERS WITH EACH LIQUID SITTING ON TOP OF THE ONE BELOW IT.

EXPLANATION

WHEN YOU CAREFULLY POUR THE LIQUIDS INTO YOUR CUPS THEY'LL STACK ON TOP OF EACH OTHER BASED ON THEIR DENSITY (HOW HEAVY THEY ARE). THE HEAVIEST LIQUID, THE CORN SYRUP, WILL SINK TO THE BOTTOM, AND THE LIGHTEST ONE, LIKE THE OIL, WILL FLOAT ON TOP.

EXTENSION

COLLECT SMALL HOUSEHOLD OBJECTS (EX: PAPERCLIP, COIN, CANDY, BEAD, POMPOM, POPCORN, BUTTON, RAISIN ETC) AND THINK ABOUT HOW FAR YOU THINK THE ITEMS WILL FALL THROUGH THE DENSITY TOWER. CAREFULLY DROP THE OBJECTS INTO THE DENSITY TOWER AND SEE IF YOU WERE RIGHT.