

Name: _____

Date: _____

EXTRA CREDIT SCIENCE EXPERIMENT OF THE MONTH

IN THIS EXPERIMENT STUDENTS WILL LEARN THESE IMPORTANT
SCIENTIFIC PRINCIPLES:

- EVERYTHING IS MADE UP OF TINY BUILDING BLOCKS CALLED MOLECULES
- THERE ARE MANY DIFFERENT KINDS OF MOLECULES
- TWO DIFFERENT TYPES OF MOLECULES TEND TO MIX, SPREADING FROM WHERE THERE IS MORE OF ONE KIND TO WHERE THERE IS LESS OF THAT KIND. THIS PROCESS IS CALLED DIFFUSION

Research Question (What do you want to find out?): What will happen when food coloring is added to one glass filled with cold water and one glass filled with hot water at the same time?

Hypothesis (What do you think?): I think the food coloring in the glass with cold water will _____

I think the food coloring in the glass with hot water will _____

Materials: blue or green liquid food coloring, 2 same size glasses, cold water, hot water

Procedure (Steps you will take to find out.):

1. Equally fill one glass with cold water and one glass with hot water.
2. Add one teaspoon of food coloring into both glasses at the same time.
3. Observe what the food coloring does in each glass.

