



Experiment: Convection

The process of heat transfer causing warmer material to rise in a fluid

Materials:

Water
Electric Kettle
Food Coloring



1. Fill kettle with water and bring to boil
2. Once boiling add a drop of food coloring
3. Observe what happens

Questions to consider:

- What is the temp of the food coloring at the beginning of the experiment compared to the water?
- Does heat tend to cause things to rise or fall?