

Convection Currents

Name _____ Block _____

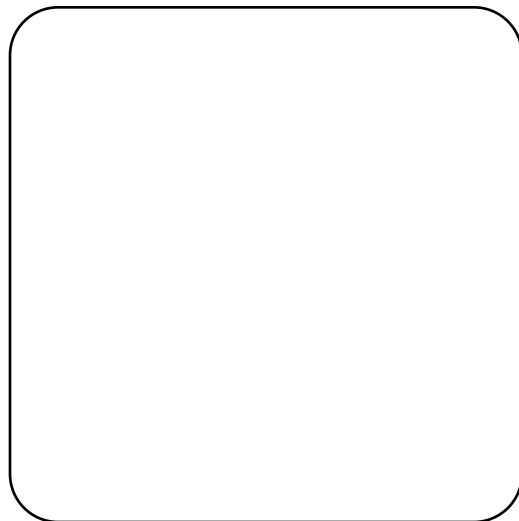
DIRECTIONS:

1. Pour very hot water into a large beaker.
2. Add one or two blue ice cues.
3. Record observations below.

ANALYSIS AND CONCLUSIONS:

1. What happened to the blue food coloring?

Why?



2. Relate your observations to the way convection currents work in the atmosphere.

3. At what location on Earth would air constantly be rising because of convection currents?

How do you know?

4. At what location on Earth would air constantly be sinking because of convection currents?

How do you know?

5. Study this diagram. At what point do convection currents stop rising and sink back to the surface?