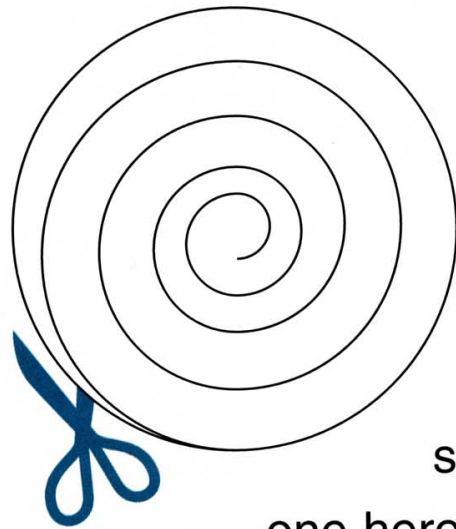
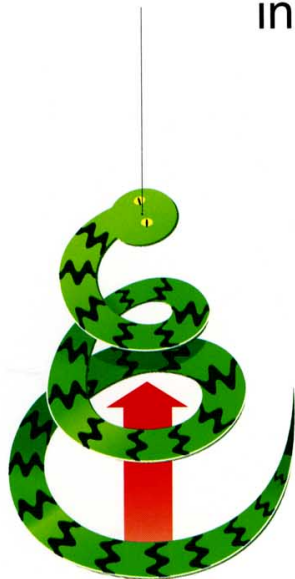


Make a Spinning Snake



A simple toy can show that hot air rises. You need a large piece of paper, a pencil, some scissors, and some thread. First, draw a spiral on the paper like the one here. It is easier if you start in the middle. Next, cut along the line to make a snake. You can color it in to look like a real snake. Then hang the snake above a heater with the thread (ask an adult to help you). When the heater is hot, warm air rises from its top. The rising air pushes the snake and makes it spin.



warm air

Glossary

astronomer a person who studies outer space.

atom the smallest particle of a liquid, solid, or gas. Atoms sometimes group together to form molecules.

barometer an instrument that measures the pressure of air.

evaporate to turn from a liquid into a gas.

gas a substance that will spread to fill any space that contains it.

invisible something that is present but cannot be seen.

liquid a substance that can be poured. It will take the shape of

the container that contains it.

matter anything, whether liquid, solid, or gas. All matter is made of atoms and molecules.

molecule a group of atoms.

microscope an instrument that makes enlarged images of small objects.

parachute a structure that slows an object as it falls through air.

planet large body that revolves around the Sun.

solid a hard substance that keeps its shape.

water vapor the gas that forms when water evaporates.

Look Further

To find out more experiments you can carry out with gases, read *101 Great Science Experiments* by Neil Ardley (DK Publishing).

You can also find out more about the different kinds of matter from the internet at this website: www.chem4kids.com/