

Name \_\_\_\_\_

Date \_\_\_\_\_

## Build a Solar Eclipse Viewer

Gather your materials and follow the steps below to build a viewer that will allow you to safely and indirectly view the sun.

- 1 Lay the cardboard tubes end-to-end to reach approximately 1 meter.
- 2 Tape the sections together, making sure to keep the gaps in the tubes closed and light out of the seams. If needed, tape colored construction paper over the seams.
- 3 Hold one tube perpendicular to the white paper and trace the end to draw two circles that can cover both openings. Cut out each circle. Tape one circle to one of the openings.
- 4 Cut a square in the center of the other circle. Cut a square of aluminum foil and tape it over the square cut from the circle. Gently push the pushpin through the center of the foil to create a very small hole.
- 5 Tape the paper/foil circle to the opposite end of the tube.
- 6 Cut a small rectangle (approximately 3 centimeters x 1.5 centimeters) near the end of the tube without the foil. This will be your viewing area.