

HOLIDAY LIGHTS

Materials:

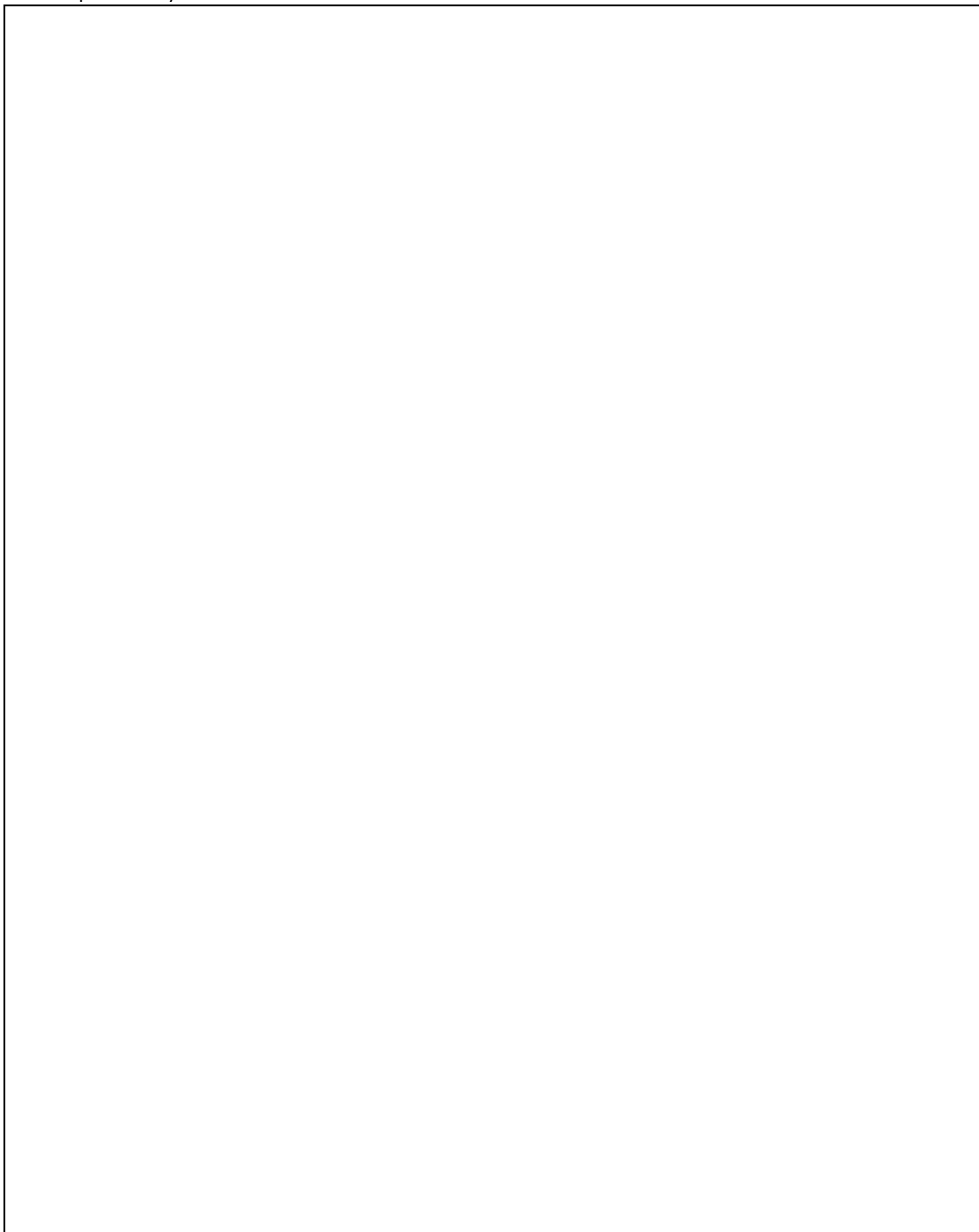
Construction paper	3-5 holiday lights
Copper tape	scissors
9-volt battery	markers

Procedures:

1. Draw an outline of a winter shape on your construction paper.
 2. Construct a series of circuits on the construction paper that will decorate and light up your shape. Your circuit will have a beginning that connects to one node of the battery. It will then connect metal to metal to another end that is $\frac{1}{4}$ " from the beginning... this connects to the other node on the battery. When the battery is placed in the space, it will complete the circuit and light up the lights.
 3. When constructing your circuits, you will need to keep the following requirements in mind:
 - Leave a $\frac{1}{4}$ -inch space in copper tape for the battery.
 - Leave at least a one-inch gap in copper tape when placing a light.
 - Make sure the metal is always touching metal.
 - You may only use 3-5 lights
 - You must use at least 5 separate pieces of copper tape.
 4. You may decorate your shape by coloring.
- ## Clean up:
1. You may keep your paper with copper tape and lights.
 2. You will need to return the battery to your teacher.



Draw a picture of your circuit in the box below.

A large, empty rectangular box with a thin black border, intended for drawing a circuit diagram. The box occupies the majority of the page below the instruction text.