



# LED Sculpture

Name: \_\_\_\_\_

Conductors are materials that conduct electricity. Insulators are materials that do not. Whether a substance conducts electricity is determined by how easily electrons move through it.

We are making our LED Sculptures out of an unusual conductor... pipe cleaners. The metal that makes up the middle of the pipe cleaner can conduct electricity. The fibers that surround the metal are insulators and need to be removed.

## Conductors vs. INSULATORS

Mark items with a 'C' or 'I' if you think they are a Conductor or an Insulator.

- |                     |               |                |                   |
|---------------------|---------------|----------------|-------------------|
| _____ Glass         | _____ Rubber  | _____ Concrete | _____ Lemon Juice |
| _____ Wood          | _____ Playdoh | _____ Steel    | _____ Cotton      |
| _____ Salt Water    | _____ Gold    | _____ Copper   | _____ Paper       |
| _____ Pipe Cleaners | _____ Oil     | _____ Diamond  | _____ Plastic     |