Name:

Carry out this activity before your first lesson and bring it with you on that day.

1. Find out what the symbols are for each of the following electronic components, and draw them in below.

Diode Transistor (bipolar, NPN)

Resistor Light emitting diode

Thermistor Light dependent resistor

NOT gate Capacitor (electrolytic)

2. An engineer is installing an automatic outside light. The light should come on when conditions are dark and cold. Explain, in no more than fifty words, why the light sensor is normally placed on top of the light. Also explain why the engineer should be careful about the choice of location for the temperature sensor.

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