Vibrobots

Name: _____

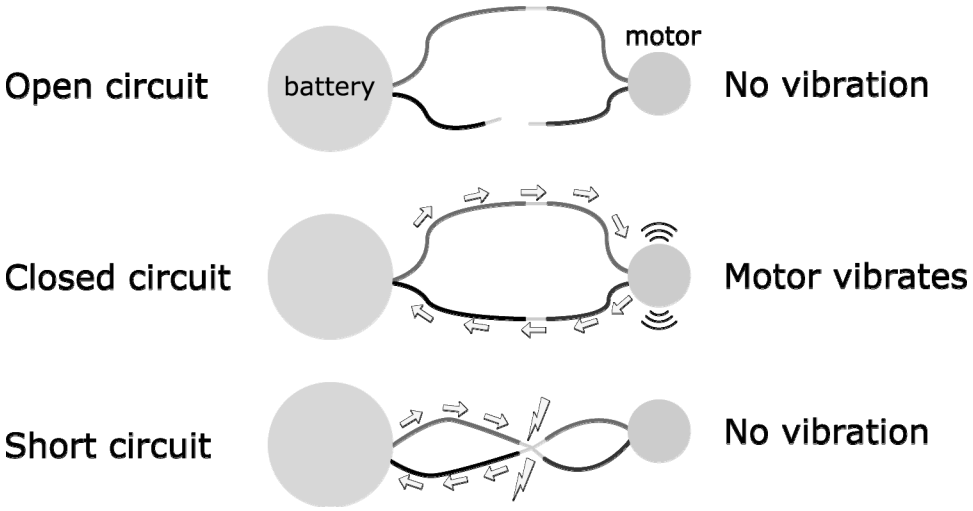
Student worksheet

Date: _____

Directions: Follow the steps below to design and start building your robot.

1. **Connect the circuit.**

   Follow your teacher's instructions to connect your circuit. Use this picture as a reference.



2. **Design**

   In the space below, draw a design for your robot's body. Label the materials you will use.

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Name: _____

Directions: Follow the steps below to test your robot. Use the blank space on this page to take notes.

3. Test

a. Connect your wires so you have a closed circuit.

b. Put your robot down on your desk.

c. Watch how your robot moves.

   i. Does it fall over or stay upright?

   ii. Does it move fast or slow?

   iii. Do any pieces fall off?

d. Disconnect one pair of wires so you have an open circuit and your robot stops moving.

e. Think about how you could improve your robot based on your observations.

f. Make changes to your robot and test it again.