Python Programming with micro:bit   **Breadboard Setup & Testing: Practice**
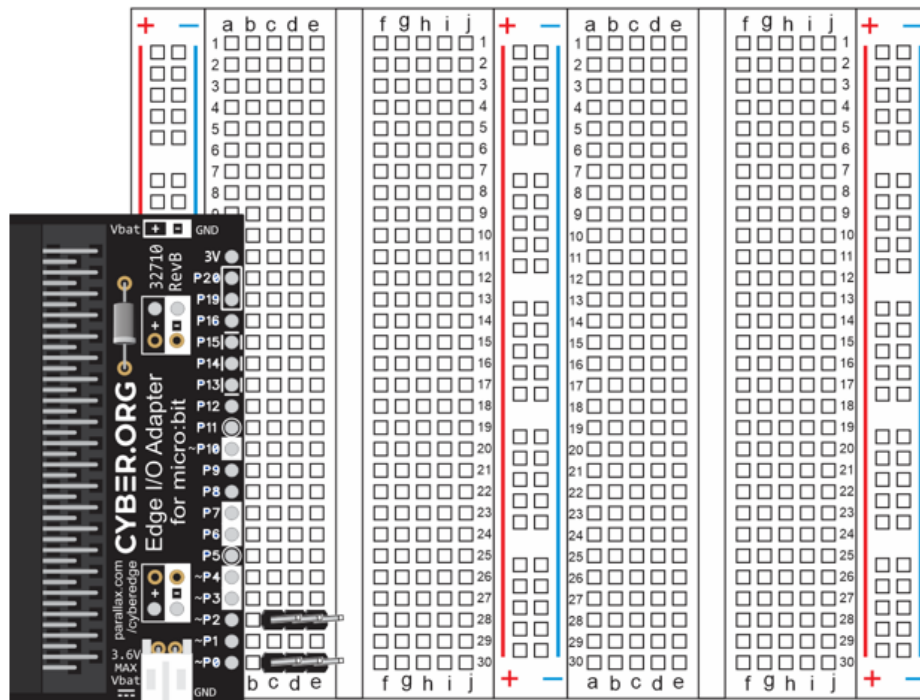
Name: _____   **Class:** _____   **Date:** _____

1. Pick two sockets in the same row-of-five on one of the terminal strips. Circle them and label them 'SR5' in the drawing.
   a. Should they be connected?   Yes   No
   b. Test for continuity: Connected   Not connected
2. On one of the terminal strips, pick two sockets in the same row-of-ten, but on opposite sides of the valley in the middle of one of the terminal strips. Label the sockets 'OSV'.
   a. Should they be connected?   Yes   No
   b. Test for continuity.   Connected   Not connected
3. Repeat the previous setup, but with different rows, and this time, plug in a jumper wire to connect the two rows. Label the sockets 'JOSV'.
   a. Should they be connected?   Yes   No
   b. Test for continuity.   Connected   Not connected
4. In one of the bus strips, circle a socket in the (+) column and one in the (-) column, and label them PM.
   a. Should they be connected?   Yes   No
   b. Test for continuity.   Connected   Not connected
5. Circle a socket in the (-) column of one bus strip, and another in another bus strip's (-) column. Then, connect the two columns with a jumper wire. Label them NDCC.
   a. Should they be connected?   Yes   No
   b. Test for continuity.   Connected   Not connected

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Name: _____   Class: _____   Date: _____

Answers:
1. a) Yes   b) Connected
2. a) No   b) Not connected
3. a) Yes   b) Connected
4. a) No   b) Not connected
5. a) Yes   b) Connected

(answer image)