Racing Junkbots

Name: _____

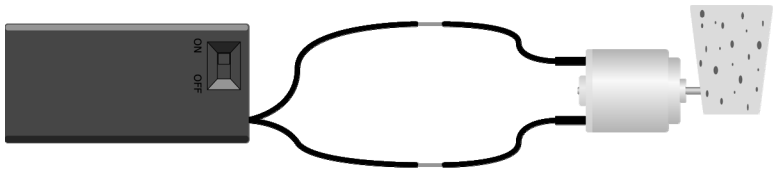
Student quiz

Date: _____

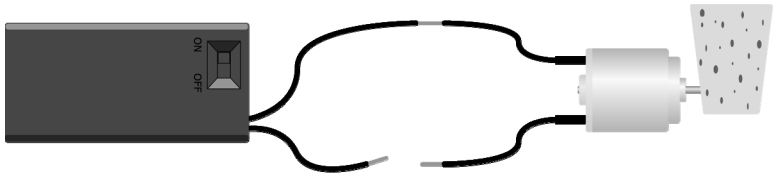
Directions: Circle the best answer for each question below.

1. In which of the following circuits will the motor spin?

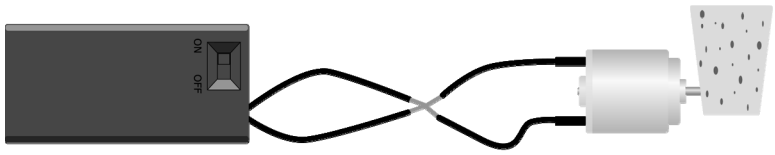
a.



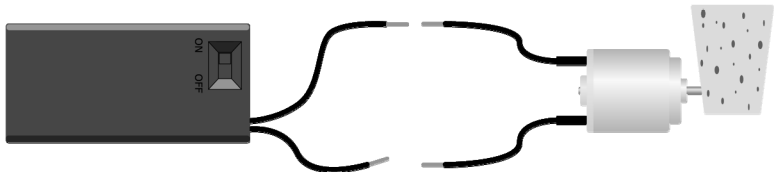
b.



c.



d.



2. A circuit where there is a complete path for electricity to flow is called a _____ circuit.
   a. short
   b. open
   c. long
   d. closed

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Name: _____

Directions: Circle the best answer for each question below.

3. Alice's robot falls over a lot. She could probably make her robot more stable by:
    a. Making it taller and skinnier
    b. Making it shorter with a wider base

4. Bob's robot is very slow. He could probably make his robot faster by:
    a. Making it lighter
    b. Making it heavier

5. In the engineering design process:
    a. There is no single "right answer" to a problem
    b. Your design might not work on the first try
    c. You might repeat some of the steps
    d. All of the above