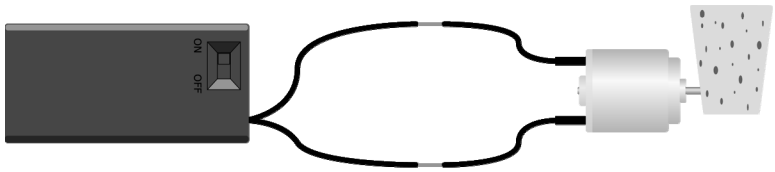
Racing Junkbots

Student quiz — Answer key

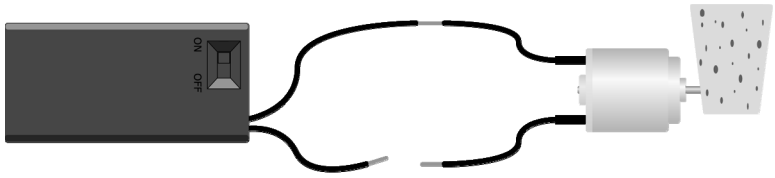
Directions: Circle the best answer for each question below.

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

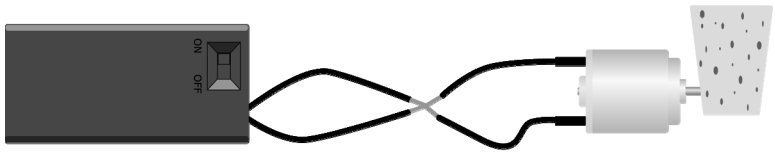
a.



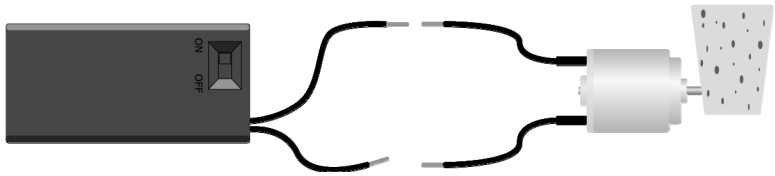
b.



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

Racing Junkbots—Page 2

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