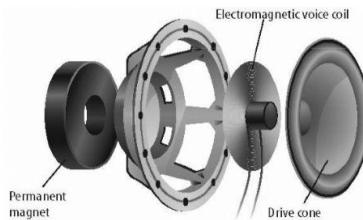
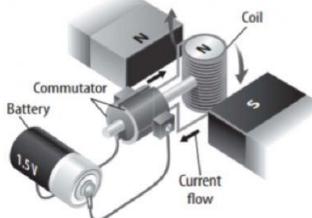


_____ 37. For the electromagnet to attract and then repel the permanent magnet in the speaker, what has to happen?



- a. Noises sent through the speaker must be very loud.
- b. The electric current must be turned off and on.
- c. The electric current must reverse directions.
- d. More coils must be added to the electromagnet.



_____ 38. What is the purpose of a commutator in an electric motor?

- It reverses the direction of the current in the permanent magnet to keep the motor spinning.
- It reverses the direction of the current in the electromagnet to keep the motor spinning.
- It reverses the direction of the current in the permanent magnet to stop the motor's spinning.
- It reverses the direction of the current in the electromagnet to stop the motor's spinning.

_____ 39. What makes an electric motor spin?

- The permanent magnet and the electromagnet continuously attract each other.
- The permanent magnet and the electromagnet continuously repel each other.
- The permanent magnet and the electromagnet continuously attract and repel each other.
- The permanent magnet and the electromagnet have no effect on the spinning of the motor.

