

SPS10. Students will investigate the properties of electricity and magnetism.

c. Investigate applications of magnetism and/or its relationship to the movement of electrical charge as it relates to **electromagnets, simple motors, and permanent magnets**

What is an Electromagnet Video Questions

1. What can electricity create? \_\_\_\_\_

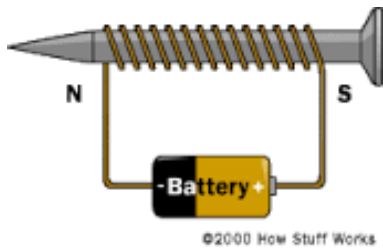
2. How can you demonstrate this? \_\_\_\_\_

\_\_\_\_\_

3. What happens when you run an electric current into a wire? \_\_\_\_\_

\_\_\_\_\_

4. Label the 3 parts of an electromagnet below:



5. What is the difference between an electromagnet and a permanent (regular) magnet? \_\_\_\_\_

\_\_\_\_\_

6. What are two ways you can control the power of electromagnetism in an electromagnet? \_\_\_\_\_

\_\_\_\_\_

7. What are electromagnets used in? \_\_\_\_\_

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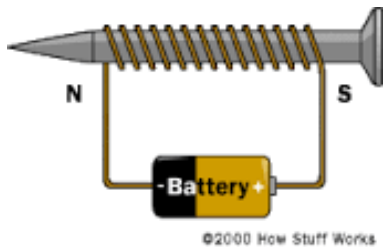
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