

## How Do Electricity and Magnetism Work Together?

(Chapter 3 Lesson 4)

1. What is an electric generator? Name three ways that generators are powered.

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2. When Hans Christian Oersted ran an electrical current through a wire, what happened to the needle of a nearby compass? What did Oersted conclude from serendipitous occurrence?

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3. What is an electromagnet?

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4. Name three common devices that work by using electromagnets.

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5. Draw and label the parts of a typical student created electromagnet.

(pg. B83)