

Name: \_\_\_\_\_

Date: \_\_\_\_\_

 **Essential Question**

## How Are Electricity and Magnetism Related?

1. What three things do you need in order to make an electromagnet?

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2. Draw the magnetic field that forms around a wire carrying an electric current.

3. Describe the steps needed to generate an electric current using a wire coil and a magnet.

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4. Explain two ways to make an electromagnet stronger.

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5. Name three devices that contain electromagnets. What is one advantage of using electromagnets in such devices?

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