

Name: _____ **Date:** _____



Essential Question

How Are Electricity and Magnetism Related?

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

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.

- 4.** Explain two ways to make an electromagnet stronger.

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