

Section 7 Assessment



Vocabulary

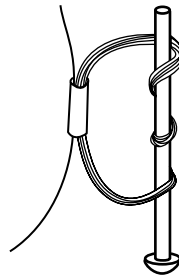
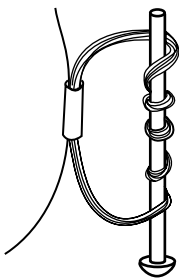
Write the vocabulary term that best matches each definition on the line provided.

electromagnet	temporary magnet
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- ❶ a material that acts as a magnet for only a short time _____
- ❷ a magnet made by passing electric current through a coil of wire wrapped around an iron core _____

Electromagnetic Strength

- ❸ Look at the rivets and coils below. Each one is part of an electromagnet. Which electromagnet is stronger? Circle one.



Comparing Electromagnet Strength

- ❹ Using the materials provided, make an electromagnet with four coils of wire wrapped around one iron rivet. How many paper clips does the electromagnet pick up? _____
- ❺ Add a second rivet to the electromagnet. How many paper clips does it pick up now? _____
- ❻ How does adding a second rivet to the electromagnet affect it?
