

Magnets

Unit: Electricity and Magnetism

Topic: Magnetism

Concept: Magnets

Objectives assessed: The student will be able to demonstrate understanding that:

- Magnetic materials attract or repel each other.
- A magnet has two poles that determine which end attracts or repels another.
- Magnetic materials attract iron and nickel.

Students will need about 15–20 minutes to complete this brief constructed response.

A magnet has a north pole and a south pole. What happens when two north poles are placed close together? What happens when two south poles are placed close together? What happens when a north pole and a south pole are placed close together? You may use words or drawings to answer the questions. Remember to label your drawings.

Sample correct response:

When two north poles are placed close together, they repel each other. When two south poles are placed close together, they repel each other. When a north pole and a south pole are placed close together, they attract each other.

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Response scoring tool:

Score	Content
3	Response includes all of the following facts: two north poles repel each other; two south poles repel each other; and a north and a south pole attract each other.
2	Response includes two of the following facts: two north poles repel each other; two south poles repel each other; and a north and a south pole attract each other.
1	Response includes one of the following facts: two north poles repel each other; two south poles repel each other; and a north and a south pole attract each other.
0	No response, or response not appropriate to the question.

For students who are not demonstrating complete mastery of this concept, the Discovery Education Science video, reading, and interactive resources found in the Learn and Explore sections of this concept can be assigned to them as remediation.