

Lesson 4: Magnetic Attraction and Repulsion



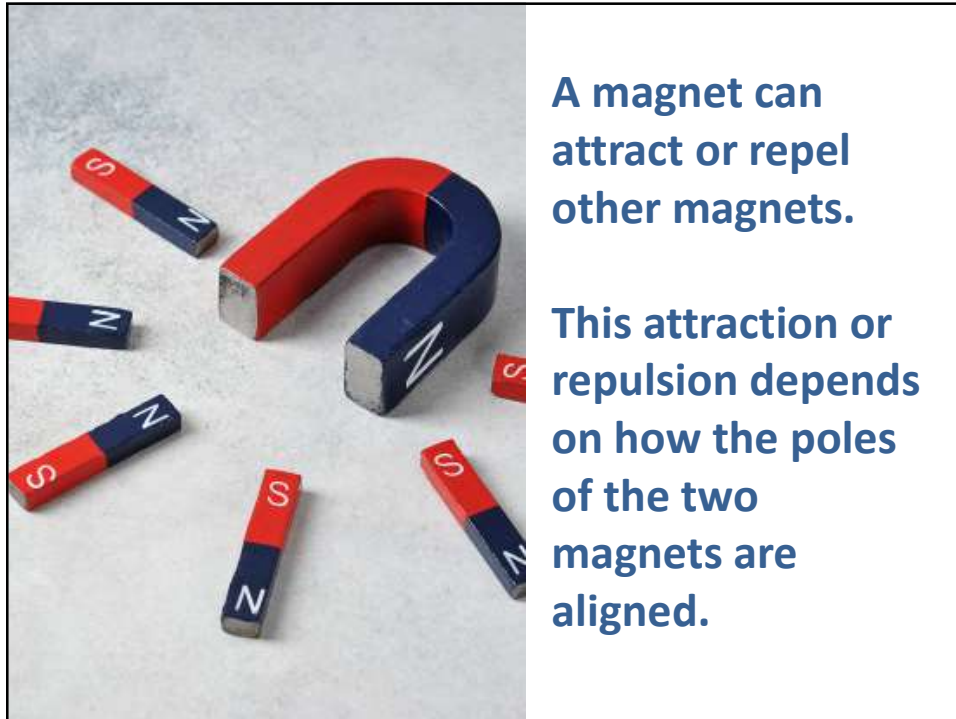
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Discovery
Education Video:
**[Maglev: Magnetic
Levitation](#)**

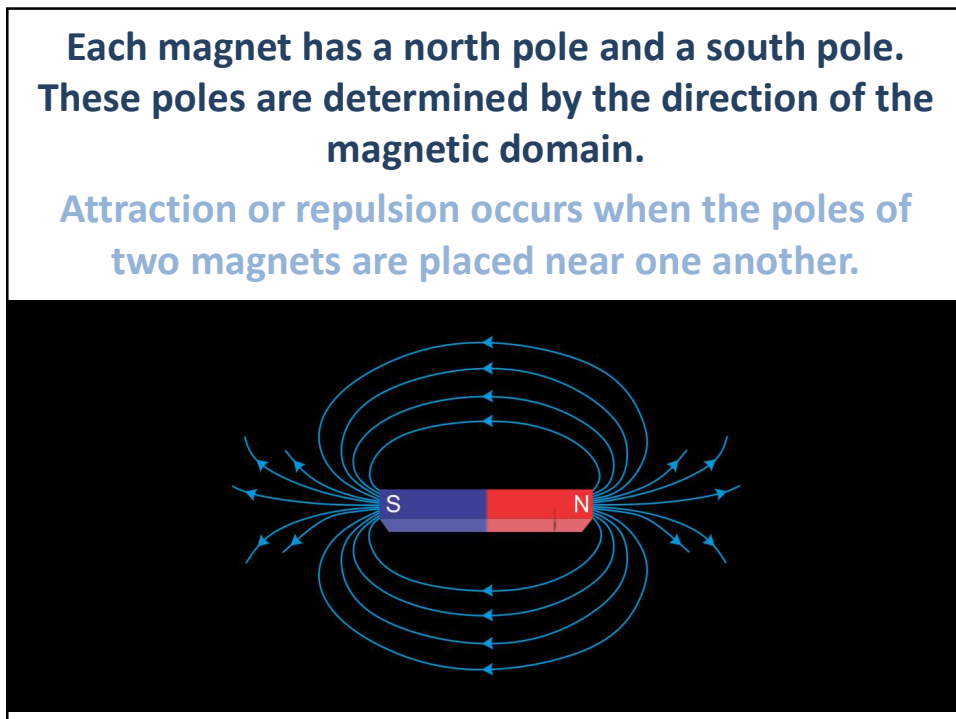
This video discusses the principles behind magnetic levitation and how maglev trains operate.



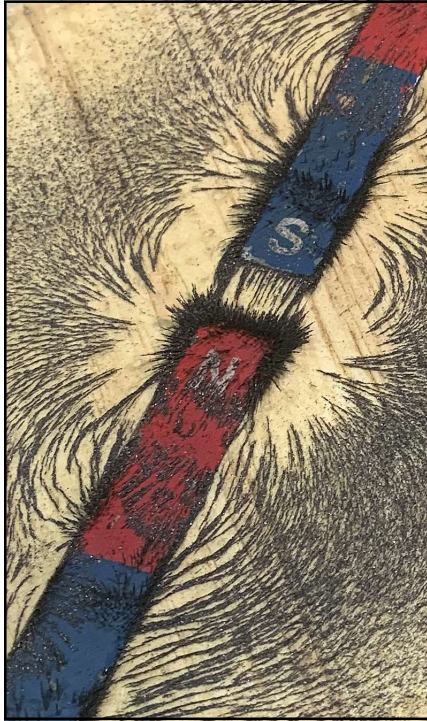
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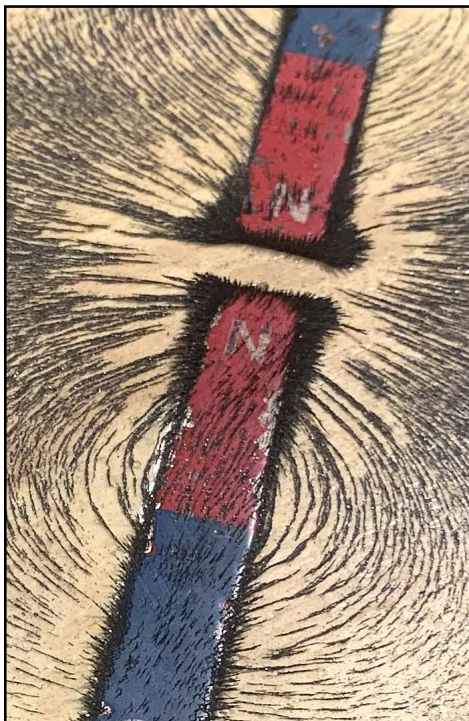
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When a magnet attracts another magnet, it pulls the other magnet toward itself.

Magnets attract when their opposite poles face each other.

5



When a magnet repels another magnet, it pushes the other magnet away.

Magnets repel when their same poles face each other.

6

Attraction and Repulsion: Key Questions

- 1. What is magnetic attraction and repulsion?**
- 2. When will two magnets attract one another? When will they repel?**
- 3. Based on the Discovery Education video in the lesson, explain how a Maglev train uses magnetic attraction or repulsion to operate.**