

Exceptional Electromagnets Part 2- Frayer Model

Definition: (in your own words)	Facts and Characteristics:	
Examples:	Image:	Non-Examples:

Electromagnet

Exceptional Electromagnets Part 2- Frayer Model (teacher solutions)

<p>Definition: (in your own words)</p> <p>Student answers will vary but should include words like:</p> <ul style="list-style-type: none"> • Magnetic field • Wire • Conductor • Electric current • Circuit 	<p style="text-align: center;">Facts and Characteristics:</p> <p>Answers may vary but will likely include:</p> <ul style="list-style-type: none"> • Coiled wire • Iron core (nail) • Battery or other power source • Usually a series circuit • Magnetic field • Can be turned on and off by breaking the circuit <p>Students may want to speculate about the number of coils, strength of battery, etc. Allow them to speculate but don't give any answers.</p>	
<div style="border: 2px solid #00A0C0; border-radius: 50%; width: 80%; margin: 0 auto; padding: 10px 40px; background-color: #ADD8E6;"> <h1 style="margin: 0;">Electromagnet</h1> </div>		
<p>Examples:</p> <ul style="list-style-type: none"> • Electric bell • Computer hard drive • Crane Magnet • Loudspeaker • Electric motor • MRI machine • The earth! • Etc. 	<p>Image:</p> <p>Students should sketch their electromagnet made in the previous lesson (Exceptional Electromagnets Part 1).</p>	<p>Non-Examples:</p> <p>Answers will vary but may include:</p> <ul style="list-style-type: none"> • Bar magnet • Rare earth magnet • Fridge magnet • Open circuit