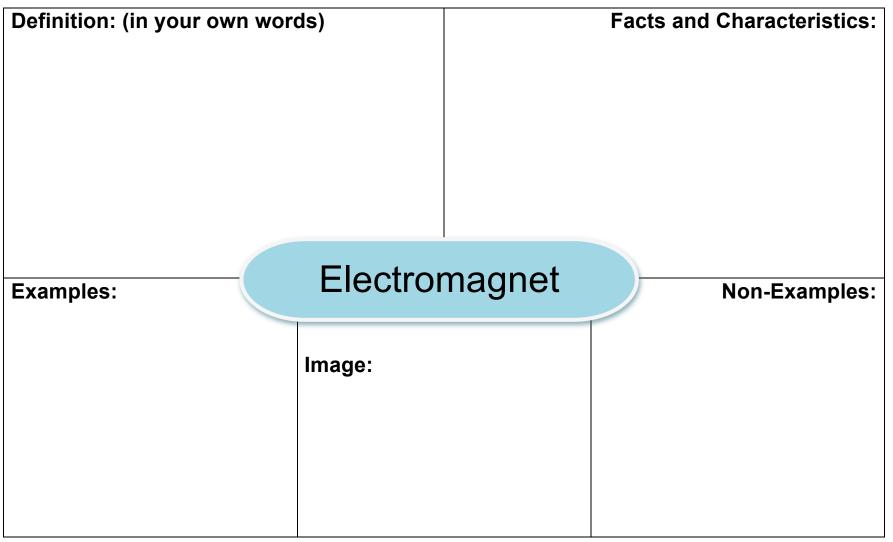


## **Exceptional Electromagnets Part 2- Frayer Model**





## **Exceptional Electromagnets Part 2- Frayer Model (teacher solutions)**

Definition: (in your own words)		Facts and Characteristics:	
<ul> <li>Student answers will vary but should include words like:</li> <li>Magnetic field</li> <li>Wire</li> <li>Conductor</li> <li>Electric current</li> <li>Circuit</li> </ul>		<ul> <li>Answers may vary but will likely include:</li> <li>Coiled wire</li> <li>Iron core (nail)</li> <li>Battery or other power source</li> <li>Usually a series circuit</li> <li>Magnetic field</li> <li>Can be turned on and off by breaking the circuit</li> <li>Students may want to speculate about the number of coils, strength of battery, etc. Allow them to speculate but don't give any answers.</li> </ul>	
Examples:	Electro	magnet	Non-Examples:
<ul> <li>Electric bell</li> <li>Computer hard drive</li> <li>Crane Magnet</li> <li>Loudspeaker</li> <li>Electric motor</li> <li>MRI machine</li> <li>The earth!</li> <li>Etc.</li> </ul>	Image: Students should sketc made in the previous Electromagnets Part	· •	<ul> <li>Answers will vary but may include:</li> <li>Bar magnet</li> <li>Rare earth magnet</li> <li>Fridge magnet</li> <li>Open circuit</li> </ul>