

Name _____

Date _____ Period ____

Score ____/4

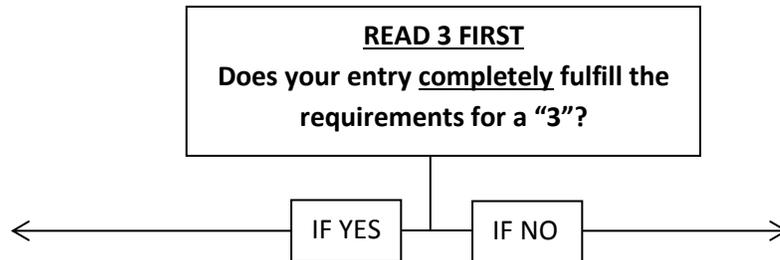
Magnetism and Electricity: Notebook Entry Assignment / Rubric

Title: Magnetism and Electricity

Learning target: Identify the relationship between the magnetic field and electricity.

Drawing with captions

- Include information that describes the event (what happened) and the scientific explanation how magnets help produce and electrical current.
- Use the text to cover these important topics in your descriptive captions!
 - Magnetism (pages 224-229)
 - Magnetism and Electricity (231 – 237)
 - Producing Electric Current (pages 238 – 241)
- Use colors to help clarify



	4	3-READ FIRST!	2	1
<p>Drawing with captions</p> <p>Highlight material in your notebook entry that matches with the similar material in the rubric (highlight both)</p> <p>____/4</p>	<p>Clear, accurate, detailed diagrams are included which demonstrate an advanced understanding of the event. Diagrams include labels and captions which accurately replicate the event with extended detail <i>and</i> demonstrate a comprehensive description of <u>at least 2 additional characteristics of magnets related to generating electricity.</u></p> <p><u>Specific references from the text must be included.</u></p> <p>Possible extensions include:</p> <p>Specifically explain <u>why</u> certain metals are magnetic and others are not.</p> <p>Identify similarities between the magnetic field you observed with the iron filings and the magnetic field of the earth.</p> <p>Comparisons of magnetism and electricity.</p> <p>How a current was detected using a galvanometer</p> <p>The relationship between the lines of force of a magnet (including earth) and a compass.</p> <p>Extended detail of how electricity is generated with magnets.</p> <p>Other (explain) _____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>Diagrams are included and are labeled neatly and accurately. These observations (evidence) must be included:</p> <ol style="list-style-type: none"> 1. Magnets are attracted to some metals and not others 2. Magnets attract and repel each other. (Specific details 3. The magnetic field is invisible and extends several centimeters from the magnet. 4. The magnetic field affects a compass needle – one side of the magnet attracts the red end, the other side attracts the silver end. 5. The magnetic field exists in patterns the radiate from the poles – lines of force (as shown by iron filings) 6. A magnetic field must be moved through a coil of wires to generate electricity. 	<p>Diagrams are labeled and include captions. Only 4 of the 6 characteristics are identified from the level 3-proficient response.</p>	<p>Needed diagrams are missing OR are missing important labels and captions. 3 or less of the characteristics listed for a 3 level-proficient response are identified.</p>