

Name _____

Electricity and Circuits Anchor Chart

Challenge: You are to create an anchor chart on white 8.5x11 printer paper that illustrates the main principals of electricity and circuits. Your anchor chart must include both an illustration and a brief description or definition of each of the following: electricity, series circuit, parallel circuit, open (incomplete) circuit, closed (complete) circuit, conductors, and insulators. Create “catchy phrases” to help remember the differences between the items on the chart. For example, an open circuit won’t allow electricity to flow, so I might say “if is open, then its broken” since electricity will NOT flow.

Check off the items once completed below

- Electricity
- Series circuits
- Parallel circuits
- Open (incomplete) circuits
- Closed (complete) circuits
- Conductors
- Insulators

Make sure that it includes all of the necessary elements, colorful, neat, etc. See the rubric for grading requirements on the back.

Name _____

Electricity and Circuits Anchor Chart

Challenge: You are to create an anchor chart on white 8.5x11 printer paper that illustrates the main principals of electricity and circuits. Your anchor chart must include both an illustration and a brief description or definition of each of the following: electricity, series circuit, parallel circuit, open (incomplete) circuit, closed (complete) circuit, conductors, and insulators. Create “catchy phrases” to help remember the differences between the items on the chart. For example, an open circuit won’t allow electricity to flow, so I might say “if is open, then its broken” since electricity will NOT flow.

Check off the items once completed below

- Electricity
- Series circuits
- Parallel circuits
- Open (incomplete) circuits
- Closed (complete) circuits
- Conductors
- Insulators

Make sure that it includes all of the necessary elements, colorful, neat, etc. See the rubric for grading requirements on the back.

Criteria	1 pt	3 pts	6 pts	10 pts
Organization	<ul style="list-style-type: none"> • Cluttered appearance, no definitive sections • Not all requirements present 	<ul style="list-style-type: none"> • No heading, but section • Hard to follow, requires assistance • Missing parts • Obvious refinement (correction) required 	<ul style="list-style-type: none"> • All requirements present, but unclear • Must reread for clarity • Some evident of refinement (correction) required 	<ul style="list-style-type: none"> • Defined sections • Clear headings • Flows nicely to assist the reader without help • Finished product
Creativity	<ul style="list-style-type: none"> • Bland, no variability • No use of color or diagrams • Boring to look at, does not catch your attention • Interest, motivation, effort and time obviously absent 	<ul style="list-style-type: none"> • Very little use of color or illustrations, but enough to engage and hold attention 	<ul style="list-style-type: none"> • Some use of color, illustrations, etc • Will engage but will not stimulate thinking or understanding 	<ul style="list-style-type: none"> • Interesting, engaging, visually stimulating • Aesthetically appealing use of color, illustrations, text • Interest, motivation, effort, and time obviously present
Science Content and Literacy	<ul style="list-style-type: none"> • No analysis of science topic • No explanation • No science specific connection • No use of resources 	<ul style="list-style-type: none"> • Poor explanations • Inaccurate science connections • Misinterprets the science content • One resource was used 	<ul style="list-style-type: none"> • Adequate explanation • Science connection present but could be developed further • More than one resource used 	<ul style="list-style-type: none"> • Appropriate explanation • Concept fully and properly explained • Insight present • Science connections made • Content is accurate, comprehensive • Excellent use of resources

Criteria	1 pt	3 pts	6 pts	10 pts
Organization	<ul style="list-style-type: none"> • Cluttered appearance, no definitive sections • Not all requirements present 	<ul style="list-style-type: none"> • No heading, but section • Hard to follow, requires assistance • Missing parts • Obvious refinement (correction) required 	<ul style="list-style-type: none"> • All requirements present, but unclear • Must reread for clarity • Some evident of refinement (correction) required 	<ul style="list-style-type: none"> • Defined sections • Clear headings • Flows nicely to assist the reader without help • Finished product
Creativity	<ul style="list-style-type: none"> • Bland, no variability • No use of color or diagrams • Boring to look at, does not catch your attention • Interest, motivation, effort and time obviously absent 	<ul style="list-style-type: none"> • Very little use of color or illustrations, but enough to engage and hold attention 	<ul style="list-style-type: none"> • Some use of color, illustrations, etc • Will engage but will not stimulate thinking or understanding 	<ul style="list-style-type: none"> • Interesting, engaging, visually stimulating • Aesthetically appealing use of color, illustrations, text • Interest, motivation, effort, and time obviously present
Science Content and Literacy	<ul style="list-style-type: none"> • No analysis of science topic • No explanation • No science specific connection • No use of resources 	<ul style="list-style-type: none"> • Poor explanations • Inaccurate science connections • Misinterprets the science content • One resource was used 	<ul style="list-style-type: none"> • Adequate explanation • Science connection present but could be developed further • More than one resource used 	<ul style="list-style-type: none"> • Appropriate explanation • Concept fully and properly explained • Insight present • Science connections made • Content is accurate, comprehensive • Excellent use of resources