

Unit: 1 5.5A- Physical Properties of Matter

4	<p>Exceeding (Student understanding and application extends beyond the intent of the standard.)</p>	<p>Able to apply to real world examples. Able to distinguish between more and less dense. Able to explain vocabulary and concepts. Able to construct and analyze data tables.</p>
3	<p>Ready (If there is a mistake in student evidence, the student requires no additional instruction to correct his or her thinking.)</p>	<p>Students can classify and define matter and its physical states. Students can classify, measure, and test the physical properties of mass. ...magnetism (magnetic or non-magnetic) ---can classify, measure, and observe an object's density in water. Students can determine if an object will dissolve in water. ...solubility (object's ability to dissolve in water) ...ability to conduct. (object's ability to conduct electric energy.) (object's ability to conduct thermal energy.) ...ability to insulate. (object's ability to insulate electric energy) (object's ability to insulate thermal energy) Thermal energy - Electrical energy Able to analyze data tables.</p>
2	<p>Close (The student requires intervention for part of the standard, but he or she clearly understands another part of the standard.)</p>	<p>Magnetism- can not remember which metals are magnetic but they do know that some metals are magnetic. Density- Students understand that items sink or float but do</p>

		<p>not understand that items are more or less dense relative to water.</p> <p>Mass- confuse mass with weight but they do understand that mass is measured using a triple beam balance. Know that a TBS is used but are unable to read the sliders.</p> <p>Conductors and Insulators- understand the concept but unable to identify which materials are insulators or conductors of thermal energy. Hard to understand in relation to thermal energy but able to understand in regards to electricity.</p> <p>Solubility- do not know soluble means to dissolve- Can quickly identify some materials are soluble but unable to identify all- ie honey etc.</p> <p>State of matter- know that there are 3 states but some properties confuse them.</p>
1	<p>In Need of Support (The student needs remediation or intervention.)</p>	<p>Can not identify the physical properties. Can identify, but not explain or observe but unable to describe. Rely heavily on teacher guidance.</p>