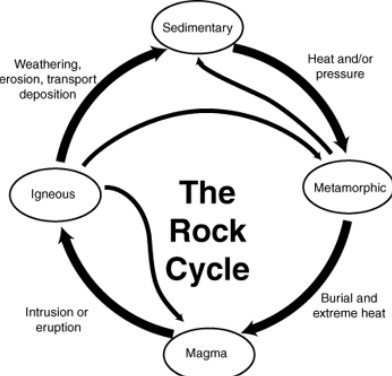


## 6th Grade Science Home Learning Options

[6th Grade Science TEKS Chart](#)  
[Optional Free Online Science Resources](#)

<p>Mark out a set distance to run or walk. Have someone time how quickly you travel that distance. Calculate and graph your speed on a distance/time graph.</p>	<p>Make a 3 column chart and title them Conduction, Convection, and Radiation. Identify examples of each around your house.</p>	<p>Help cook! During your time in the kitchen, identify physical and chemical changes that are occurring. For the chemical changes, explain the evidence that helped you know.</p>
<p>If you have a scale or kitchen scale, you can find the density of several objects around the house and predict whether they will sink or float in water. Test your prediction.</p> <p>(Remember that water has a density of 1 g/mL).</p> <p>The formula for Density is <math>\text{Density} = \frac{\text{Mass}}{\text{Volume}}</math>.</p>	<p>Copy the rock cycle image below on a sheet of paper and add drawings that show each of the ways that different types of rock are formed</p>  <pre> graph TD     Sedimentary -- "Weathering, erosion, transport, deposition" --&gt; Igneous     Igneous -- "Intrusion or eruption" --&gt; Magma     Magma -- "Burial and extreme heat" --&gt; Metamorphic     Metamorphic -- "Heat and/or pressure" --&gt; Sedimentary     </pre> <p>The diagram illustrates the rock cycle with four stages in ovals: Sedimentary (top), Metamorphic (right), Magma (bottom), and Igneous (left). Arrows connect them in a clockwise cycle with labels: Sedimentary to Igneous is 'Weathering, erosion, transport, deposition'; Igneous to Magma is 'Intrusion or eruption'; Magma to Metamorphic is 'Burial and extreme heat'; Metamorphic to Sedimentary is 'Heat and/or pressure'. A central circle contains the text 'The Rock Cycle'.</p>	<p>Make a drawing that shows an object with unbalanced forces acting on the object. Draw arrows to label all of the forces you can identify acting on that object.</p>
<p>Identify 3 metals, 3 nonmetals, and 2 metalloids in your home.</p>	<p>Select and Complete a design challenge from this <a href="#">PBS Kids Design Squad</a> document.</p>	<p>Identify the energy transformations occurring in an object in your home. For example, a toaster might be converting electrical energy into thermal energy.</p>