

<b>Topic: Heredity and Reproduction</b>	
<b>Included Standards: SC.7.L.16.1 SC.7.L.16.2 SC.7.L.16.3 SC.7.L.16.4</b>	
<b>Grade: 7th</b>	
<b>Score 4.0</b>	In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught. Generate and test examples of DNA passing from one generation to another.
<b>Score 3.0</b>	<p><b>The student will understand DNA and be able to describe that heredity is the passage of DNA from one generation to another.</b></p> <p><b>Performs complex skills:</b></p> <ul style="list-style-type: none"> <li>○ Compare and contrast the general processes of sexual and asexual reproduction that result in the passage of hereditary information from one generation to another.</li> <li>○ Determine what would happen for genotype and phenotype combinations using Punnett Squares and pedigrees.</li> </ul> <p><b>The student exhibits no major errors or omissions regarding the score 3.0 content.</b></p>
<b>Score 2.0</b>	<p><b>The student:</b></p> <p><b>Recognizes or recalls specific terminology:</b></p> <p>traits, heredity, DNA, genes, chromosomes, cell, generations, probabilities, genotype, phenotype, Punnett squares, pedigree, sexual reproduction, meiosis, asexual reproduction, mitosis, cell cycle, fertilization, allele, dominant, recessive, offspring, biotechnology, cloning, genetic engineering, artificial selection</p> <p><b>Performs basic skills:</b></p> <ul style="list-style-type: none"> <li>○ Describe the key parts of mitosis and meiosis.</li> <li>○ Illustrate, use models or diagram examples of different combinations of Punnett Squares and pedigrees for dominant and recessive traits.</li> <li>○ Identify parental genotypes that result in certain genotypic or phenotypic probabilities in offspring.</li> <li>○ Identify that hereditary information (DNA) contains genes located in the chromosomes of each cell.</li> <li>○ Recognize that heredity is the passage of genetic instructions from one generation to another.</li> <li>○ Recognize and explore that impact of biotechnology (cloning, genetic engineering, artificial selection) on the individual society and the environment.</li> </ul> <p><b>No major errors or omissions regarding the score 2.0 content.</b></p>
<b>Score 1.0</b>	With help, I know some of 2.0 and 3.0.
<b>Score 0.0</b>	Even with help, I am unable to understand.

<b>Topic: Interdependence</b>	
<b>Included Standards: SC.7.L.17.1 SC.7.L.17.2 SC.7.L.17.3</b>	
<b>Grade: 7th</b>	
<b>Score 4.0</b>	<b>In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught.</b> Investigate the relationships among organisms in ecosystems.
<b>Score 3.0</b>	<b>The student will understand the relationships among organisms in ecosystems.</b>  <b>Performs complex skills:</b> <ul style="list-style-type: none"> <li>○ Compare and contrast the relationships among organisms including mutualism, predation, parasitism, competition, and commensalism.</li> <li>○ Investigate various limiting factors in the local ecosystem and their impact on native populations including food, shelter, water, space, disease, parasitism, predation and nesting sites.</li> </ul> <b>The student exhibits no major errors or omissions regarding the score 3.0 content.</b>
<b>Score 2.0</b>	<b>The student:</b> <b>Recognizes or recalls specific terminology:</b> mutualism, predation, parasitism, competition, commensalism, producers, consumers (primary, secondary, tertiary), decomposers, energy transfer, food web, limiting factors (food, shelter, water, space, disease, parasitism, predation, nesting sites), local ecosystem, native populations  <b>Performs basic skills:</b> <ul style="list-style-type: none"> <li>○ Identify relationships among organisms including mutualism, predation, parasitism, competition and commensalism.</li> <li>○ Explain and illustrate the roles and relationships among producers, consumers and decomposers in the process of energy transfer in a food web.</li> <li>○ Identify primary, secondary and tertiary consumers in a food web.</li> <li>○ Describe various limiting factors in the local ecosystem and their impact on native populations including food, shelter, water, space, disease, parasitism, predation and nesting sites.</li> </ul> <b>No major errors or omissions regarding the score 2.0 content.</b>
<b>Score 1.0</b>	With help, I know some of 2.0 and 3.0.
<b>Score 0.0</b>	Even with help, I am unable to understand.