

APRIL (Only two weeks worth of homework due to Spring Break and testing!)

01 Apr		<p>Darwin Presents His Case: Please read "Evolution by Natural Selection" and for each of the following subtitles, please write in your own words what you read:</p> <ol style="list-style-type: none"> 1. The Struggle for Existence 2. Variation and Adaptation 3. Survival of the Fittest
02 Apr		<p>Darwin Presents His Case: Give at least two reasons why the following statement is NOT true: "The goal of natural selection is to produce perfect organisms."</p>
03 Apr		<p>Darwin Presents His Case: What does "Descent with Modification" refer to?</p>
04 Apr		<p>Evidence of Evolution: 1. How does the geographic distribution of species today relate to their evolutionary history?</p> <p>2. How do fossils help to document the descent of modern species from ancient ancestors?</p>
05 Apr		<p>Evidence of Evolution: 1. What do homologous structures and similarities in embryonic development suggest about the process of evolutionary change?</p> <p>2. Do you think the shell of a clam and the shell of a lobster are homologous or analogous structures? Explain.</p>
06 Apr		<p>Evidence of Evolution: Please contrast homologous structures, analogous structures and vestigial structures.</p>
07 Apr		<p>Evidence of Evolution: Please discuss what embryology has to do with evolution.</p>
08 Apr		<p>Evidence for Evolution: How can molecular biology be used to trace the process of evolution?</p> <p>Where has the homologous protein cytochrome C been found?</p> <p>What are HOX genes and where can they be found?</p>
09 Apr		<p>Evidence of Evolution: What hypothesis have the Grants been testing?</p>
10 Apr		<p>Evidence for Evolution: How do the Grant's data show that genetic variation is important in the survival of a species?</p>