

**EVOLUTION REVIEW SHEET**

<p><b><u>Evolution in General</u></b>          -Definition          -Darwin vs. Lamarck:              a. What did each believe about evolution?              b. How were their beliefs similar? How were they different?          -Natural Selection              a. All parts              b. Examples</p>	<p><b><u>Theories on the Origin of Life: (contribution)</u></b>          -Redi          -Pasteur          -Oparin          -Miller and Urey          -Chemical Evolution              a. Where did life begin? How?</p>
<p><b><u>Evidence of Evolution:</u></b> (For each, describe and explain how used to support evolution)          -Fossils          -Plate tectonics          -Comparative Embryology          -Vestigial organ          -Homologous/Analogous Structures          -Radioactive Dating              a. Definition              b. Isotopes              c. Half-life              d. Determine age of fossil using a graph          -Physical coloration: Cryptic, Warning coloration, Mimicry, Ambiguity of body position</p>	<p><b><u>Geologic Time Scale</u></b>          -Order and name of eras          -What delineates one period and one era from another          -Punctuated vs. Graduated Equilibrium</p> <p><b><u>Types of Natural Selection:</u></b>          -Disruptive          -Stabilizing          -Directional</p> <p><b><u>Adaptations</u></b>          -Definition          -Peppered colored moth story</p>
<p><b><u>Lab:</u></b>          -Explain the trends and adaptations in the worm activity</p>	<p><b><u>Factors that influence evolution:</u></b>          Genetic drift, natural selection, reproduction strategy, sexual reproduction, environmental disturbance</p>

**EVOLUTION REVIEW SHEET**

<p><b><u>Evolution in General</u></b>          -Definition          -Darwin vs. Lamarck:              c. What did each believe about evolution?              d. How were their beliefs similar? How were they different?          -Natural Selection              c. All parts              d. Examples</p>	<p><b><u>Theories on the Origin of Life: (contribution)</u></b>          -Redi          -Pasteur          -Oparin          -Miller and Urey          -Chemical Evolution              a. Where did life begin? How?</p>
<p><b><u>Evidence of Evolution:</u></b> (For each, describe and explain how used to support evolution)          -Fossils          -Plate tectonics          -Comparative Embryology          -Vestigial organ          -Homologous/Analogous Structures          -Radioactive Dating              e. Definition              f. Isotopes              g. Half-life              h. Determine age of fossil using a graph          -Physical coloration: Cryptic, Warning coloration, Mimicry, Ambiguity of body position</p>	<p><b><u>Geologic Time Scale</u></b>          -Order and name of eras          -What delineates one period and one era from another          -Punctuated vs. Graduated Equilibrium</p> <p><b><u>Types of Natural Selection:</u></b>          -Disruptive          -Stabilizing          -Directional</p> <p><b><u>Adaptations</u></b>          -Definition          -Peppered colored moth story</p>
<p><b><u>Lab:</u></b>          -Explain the trends and adaptations in the worm activity</p>	<p><b><u>Factors that influence evolution:</u></b>          Genetic drift, natural selection, reproduction strategy, sexual reproduction, environmental disturbance</p>