Biology

Unit 1 Learning Targets

|  |
| --- |
| Nature of Science (TEKS 1.A-B, 2.A-H) |
| I can communicate valid conclusions supported by data. |
| I can analyze and predict trends from data. |
| I can evaluate limitations of science. |
| I can plan and implement investigations, including asking questions, writing testable hypotheses, and selecting equipment and technology. |
| I can collect and organize data and make measurements with accuracy and precision using scientific tools. |
| I can distinguish between scientific hypotheses and scientific theories. |
| I can define science. |
| I can identify, locate, and use safety equipment in the laboratory. |

C:\Documents and Settings\leala\Local Settings\Temporary Internet Files\Content.IE5\P2JPNI09\MC900013375[1].wmf

C:\Documents and Settings\leala\Local Settings\Temporary Internet Files\Content.IE5\P2JPNI09\MC900013375[1].wmf

|  |
| --- |
| Enzymes (2.G, 3.E, 9.C) |
| I can evaluate the effects of external factors on enzymatic activity. |
| I can collect and analyze data on enzyme reactions. |
| I can evaluate the limitations of the enzyme model. |
| I can use models to identify and explain the components of an enzymatic a reaction including substrate, product, and active site. |
| I can explain the effects of enzymes on activation energy. |
| I can describe an enzyme and its function. |
| I can identify reactants and products in a chemical equation. |

|  |
| --- |
| Biomolecules (9.A, D) |
| I can differentiate between the structures, functions and examples of the four biomolecules. |
| I can identify each biomolecule, including proteins, lipids, carbohydrates, nucleic acids. |
| I can analyze how polymers are built and broken down. |
| I can distinguish between a monomer and a polymer. |
| I can identify reactants and products in a chemical equation. |
| I can describe the purpose of chemical bonds. |

C:\Documents and Settings\leala\Local Settings\Temporary Internet Files\Content.IE5\P2JPNI09\MC900013375[1].wmf