

Time	Expectations and Assessment	Descriptions	Resources/Assignments/Assessments
14 days	B1.1 Scientific Inquiry (all units) B1.2 Scientific Reflection and Social Implications (all units) B2.4A Cell Specialization B5.1A-B Theory of Evolution B5.3 Natural Selection	1.Summarize major concepts of natural selection 2.Describe how natural selection provides a mechanism for evolution 3.Explain evidence for the Theory of Evolution 4.Explain how new species originate through the process of evolution 5.Describe the different types of isolations 6.Know Linnaeus system of classification and current taxonomy 7.Analyze the relationships among organisms based on shared physical, genetic and cellular characteristics and functions	Resources: Chapters: 15-18, United Streaming video on Darwin and classification Assignments: Bird adaptations activity, dichotomous keys activities, cladogram activity, key terms, worksheets on main objectives. Assessments: CPS Review over main points once a week, creating a dichotomous key, Evolution/Classification Test.
28 days	B2.4 B-C Cell Specialization B2.5B Living Organism Composition	1.Describe how various organisms have different specializations to accomplish similar functions 2.Explain how different organisms use different structural specializations to accomplish the same task 3.Explain how major systems	Resources: Chapters: Certain sections of Chapters 29-40 and united streaming videos on skeletal and muscular systems along with body systems working together. Web sites on skin disorders and circulatory animation. Assignments: Video quiz, worksheets on each system, key terms, concepts maps and diagrams. Assessment: Labs: Muscle Fatigue, Heart Rate, Lung Capacity

		and processes work together between organelles, cells, tissues, organs, organ systems, and organisms.	Unit is divided into 2 tests along with essay on how systems work together
7 days	B2.1A Transformation of matter and energy in cells B3.2 A-C Ecosystems	<ol style="list-style-type: none"> 1. Identify how energy is stored in an ecosystem 2. Describe energy transfer through an ecosystem including energy lost as heat 3. Draw the flow of energy through an ecosystem and predict changes in the food web when one or more organisms are removed 4. Use a food web to identify and distinguish producers, consumers, and decomposers and explain the transfer of energy 5. Describe the environmental processes and cycles and their role in processing matter and sustaining life 	<p>Resources: Chapters: 3 and 4, United Streaming video on Morocco ecosystem and prairie succession website.</p> <p>Assignments: key terms, worksheets on key points, and cycle drawings.</p> <p>Assessments: Food Chain and food web drawings, succession quiz, Unit Test.</p>

7 Days	B3.4A,C Changes in Ecosystems B3.4x d,e Human Impact B3.5A-C Populations B3.5x e-g Environmental Factors	<ol style="list-style-type: none"> 1. Describe ecological succession 2. Examine the impact of human activity 3. Describe the greenhouse effect 4. List possible causes of global warming and possible consequences 5. Graph changes in population growth 6. Predict the impact of invasive species 7. 	<p>Resources: Chapters: 4,5,6. Articles on resources, current population data, united streaming video on impact of human activity.</p> <p>Assignments: key terms, resource ?'s, worksheets on key points</p> <p>Assessments: Unit Test, population graphs and human impact problem solving.</p>
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