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| ECOLOGY |
| Energy Transfer   * Differentiate between the needs & characteristics of heterotrophs and autotrophs * Interpret food chains and food webs * Interpret ecological pyramids & explain that only 10% of energy is passed up to the next trophic level. |
| Biotic Relationships   * Differentiate between the following symbiotic relationships: Mutualism, Parasitism, commensalism * Describe and provide examples of competition   - Describe and provide examples of predator/prey relationships |
| Ecological Equilibrium   * Describe the process of succession from the early stages to equilibrium |
| Matter Cycles   * Explain the events that take place within the water cycle, nitrogen cycle, carbon cycle and phosphorous cycle |
| Population Dynamics   * Describe how carrying capacity and limiting factors and affect population * Interpret growth curves and predict how population size may change over time |
| Lab   * Identify the dependent, independent, and control in an experiment * Analyze data * Analyze graphs |
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Make sure you study 1. Learning Goals and Bellwork

2. Notes and assignments from class

3. Foldables

4. Vocabulary