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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.
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| 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
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| Matter Cycles* Explain the events that take place within the water cycle, nitrogen cycle, carbon cycle and phosphorous cycle
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| Population Dynamics * Describe how carrying capacity and limiting factors and affect population
* Interpret growth curves and predict how population size may change over time
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| 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