

<b>Biology Course 3 Proficiency Sheet: Ecology 27% of Milestones Assessment</b>		
<a href="http://www.fsicourses.net/assessments">www.fsicourses.net/assessments</a>	Score	Date Passed
<b>3.1 The Biosphere</b>		
Energy, Producers, & Consumers <b>LT 1: I can draw a food chain/web with four trophic levels including labels for the levels and arrows for the direction of energy transfer.</b>		
Trophic Levels & Energy Transfers in Ecosystems <b>LT 2: I can develop and use models to analyze the cycling of matter and flow of energy within ecosystems through the processes of photosynthesis and respiration.</b>		
Cycles of Matter <b>LT 3: I can explain the need for cycling of major nutrients (C,H,O,N,P) in ecosystems.</b>		
<b>3.2 Ecosystems &amp; Communities</b>		
Climate <b>LT 4: I can construct explanations that predict an organism's ability to survive within changing environmental limits (e.g., temperature, pH, drought, fire)</b>		
Niches & Community Interactions <b>LT 5: I can plan and carry out investigations and analyze data to support explanations about factors affecting biodiversity and populations in ecosystems.</b>		
Ecological Succession <b>LT 6: I can describe the similarities and differences in primary and secondary succession.</b>		
<b>3.3 Populations</b>		
How Populations Grow <b>LT 7: I can plan and carry out investigations and analyze data to support explanations about factors affecting biodiversity and populations in ecosystems.</b>		
Limits to Population Growth <b>LT 8: I can plan and carry out investigations and analyze data to support explanations about factors affecting biodiversity and populations in ecosystems.</b>		
Human Population Growth <b>LT 9: I can predict how human impacts will affect an ecosystem in the short-term and long-term.</b>		
<b>3.4 Humans in the Biosphere</b>		
A Changing the Landscape <b>LT 10: I can predict how human impacts will affect an ecosystem in the short-term and long-term.</b>		
Using Resources Wisely <b>LT 11: I can design a solution to reduce the impact of human activity on the environment. (Clarification statement: Human activities may include chemical use, natural resources consumption, introduction of non-native species, greenhouse gas production.)</b>		
Biodiversity <b>LT 12: I can plan and carry out investigations and analyze data to support explanations about factors affecting biodiversity and populations in ecosystems.</b>		
Meeting Ecological Challenges <b>LT 13 : I can construct explanations that predict an organism's ability to survive within changing environmental limits (e.g., temperature, pH, drought, fire)</b>		
<b>Course 3 Assessment: Ecology</b>		
- Energy Transfer		
- Cycling of Nutrients		
- Succession		
- Human Impact		