**Independent Unit: Ecology AP Biology**

**2018-19**

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| *Topic* | *Content* | *Text* | *Text Questions* |
| *Organization* | | System levels  Community dynamics  Community change | 44.1, 45.1  45.2 | Ch 44  Reviewing… #1  Ch 45  Reviewing… #1,4-6 |
| *Matter Cycles, Energy Flows* | | *Biogeochemical cycles*  C, N, K  Webs and pyramids | 45.3 | Reviewing… #7-11 |
| *Populations* | | Limiting factors  Growth models, rates  r vs K-selected | 44.2, 44.4  44.3, 44.5 | Reviewing ..# 2, 4-7, 9 |
| *Photosynthesis* | | Light rxn  Calvin Cycle  CAM & C4 strategies | 7.1-7.2  7.3-7.4 | # 1-8 |

**The Labs**

* Population Dynamics <https://ats.doit.wisc.edu/biology/ec/pd/pd.htm>
* AP Lab 4: Plant Pigments & Photosynthesis [Bozeman](https://www.youtube.com/watch?v=6Z-SpXUeKr0)

*all three Photosynthesis labs in 5 minutes!*

* Predator-Prey Simulation [Prentice Hall](http://www.phschool.com/atschool/phbio/active_art/predator_prey_simulation/)