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| **Date** | **Ecology Warm- Up**  |
| **10/4, 10/5** | **What is the main difference between a community and an ecosystem?** *Community includes just biotic factors, while ecosystems include biotic and abiotic factors.*  |
| **10/5, 10/6** | **What is the acronym for parts of a habitat that support survival?** *FWARPS: Food, Water, Air, Reproduction, Protection, Space* |
| **10/7** | **How much energy is passed from one trophic level to the next?** *10% of the energy gained is passed from one trophic level to the next.*  |
| **10/10** | **What is the difference between an independent and dependent variable in an experiment?** *Independent variable= The thing you change; Dependent variable= The thing you measure; Controlled variable= The thing you compare everything to.*  |
| **10/11, 10/12** | **What is the question you are answering with your Biodiversity lab?** *How does food web complexity affect the biodiversity of an ecosystem?*  |
| **10/12, 10/13** | **Please come in and fill out a YELLOW reflection for the work sample of your choice for Student- Led Conferences. Choose from one of the following that best represents excellent work you’ve done in this class.** * Biology Review Presentation
* Biology Review Quiz
* Energy Flow Lab
* Biodiversity Lab
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| **10/17** | **What is the difference between a habitat and a niche?** *A habitat is where an organism LIVES, a niche is that organism’s ROLE in the ecosystem (its career).*  |
| **10/18, 10/19** | **What is your claim to answer the question “How does food web complexity affect the biodiversity of an ecosystem?”** |

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| **Date** | **Ecology Warm- Up**  |
| **10/19, 10/20** | **Draw an example of an energy pyramid with the different trophic levels.**  |
| **10/21** | **What are amphipods?** *Small aquatic crustaceans*  |
| **10/31** | **In your bottle biosphere, what are your primary consumers?**  |
| **11/2** | **What is fire ecology?** *Fire ecology is a branch of****ecology****that focuses on the origins of wildland****fire****and its relationship to the environment that surrounds it, both living and non-living.* |
| **11/3** | **Review your design, successes, challenges and qualitative data.**  |
| **11/4** | **What are the three things that determine fire behavior?** *Weather, topography, and fuel* |
| **11/7** | **What significant event occurred in 1910 that affected how wildfires were seen in the U.S.?** *The “Big Burn” occurred in 1910 that burned over 3 million acres across Montana, Idaho and Washington in just two days.* |
| **11/8, 11/9** | **What are the three types of fuels? Write one example of each.** *Light, heavy and ladder. Leaves/grass, downed trees/branches, shrubs or small trees.*  |
| **11/9** | **What is mycorrhizae?***“Root-like” structures of fungi that form a symbiotic relationship with root systems of plants.*  |