**REVIEW**: Redwood and Oak Woodland

**Intro:**

1. Explain the Levels of Organization in ecology:
2. Explain the difference between Abiotic and Biotic
3. What do ecologists study?

**Different Levels of trees:**

1. What are the different roles of trees in a forest: (know what the draw back of removing one would be)

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| **Large Live Trees** |
| **Multi-layered Structure** |
| **Dead Trees** |
| [**An old-growth forest**](http://www.sfnps.org/forests) |

1. Why do you need them all?

**Redwood**:

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| 1. Why are fires good for redwood trees? 2. Why do people suppress fires? 3. How do redwoods make their own weather and why do they bother? |

**Oak Woodland**:

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| 1. Why does human use of ground water, which lowers the ground water table, negatively effect oaks if they can grow their roots deeper to reach the water? 2. Deciduous vs. Evergreen:    1. Why would loosing your leaves be an adaptation? 3. How does the loss of mountain lions affect oak trees? Explain - |

**Both**:

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| 1) What is evapotranspiration?   * Do trees want to encourage or prevent this? Why  1. Compare how redwoods (1example) and Oaks (3examples) limit evapotranspiration:  |  |  | | --- | --- | | **Redwood** | **Oak** | |  |  | |
| 1. Compare how the roots redwoods and Oaks, give the pros and cons of each method:  |  |  | | --- | --- | | **Redwood** | **Oak** | | **Pros**: |  | | **Cons**: |  | |