Dear class, the final will be structured this way: I will pick two questions for each set of quizzes, please pick the one that entices you the most. There will be one extra additional question that will be based either on the SOD or the *Heterobasidion* reading posted on the web. You will get extra points for correctly answering that.

1. Cypress canker is caused by three fungal pathogens including *Seiridium cardinale*; please cite what kind of evidence on detail (genetic and evolutionary) has been provided to support the notion that this species is native to California
2. Can you cite three factors that are correlated with cypress canker incidence
3. What have we learned in terms of invasiveness of fungal pathogens (traits that favour invasive ability) using a comparative analysis of three populations of *S. cardinale* and which three populations are these?
4. Why have the two *Heterobasidion* species in California become emergent diseases in forests and what are the consequences of this emergence in California and in the Yosemite Valley?
5. How can Heterobasidion infect trees and what can be done to prevent infection?
6. Why should we care about hybridization in Heterobasidion and in fungi in general? Where have hybrids of Heterobasdion been reporte