Environmental science
Conservation bio questions

Study material (notes) for the Guest lecture (Kelly Newton) will follow

Conservation Biology

- What is conservation biology?
- What are the three levels of diversity (genetic, species and ecosystem)
- What are some major threats to biodiversity on our planet?
- What is a migration corridor? Why are they important to the management of some animals?
- What are some problems with captive breeding programs (species approach)?
- What is the difference between species, population, and ecosystem approach to conservation? Be able to give examples. We talked about short tailed albatross, Tuna, the California Condor, African Elephants, steelhead and others.
- Steelhead are managed on a special kind of population approach called an ESU (Evolutionarily Significant Unit). What is that?
- What does the ecosystem approach take into consideration? (humans!)
- What is population viability analysis?
- What does it help determine?
- What does it take into account?
- What does it mean to manage by 'multiple use'?
- Describe the process of 'zoning' protected areas.
- What is a genetic bottleneck?