

Biology 62S

Dr. Balukjian

Homework Questions due 3/20

**Note: Each of these homework sets is worth 10 points and will be graded for completion, not accuracy.**

1. MacArthur and Wilson's equilibrium theory of island biogeography predicts that a large island located close to the mainland will have more species than a small island far from the mainland. What situations could cause a departure from this theory? In other words, why might a small, remote island have more species?
2. Why do populations on islands often behave, appear, or evolve differently than their close relatives on the mainland?
3. The article "Natural history's place in science and society" provides several solutions to natural history's decline; what do you personally see as the best chance for restoring more widespread respect to the field of natural history?