

LAB MAKE-UP: BIOLOGY 11B

Sanctuary Habitats: rocky shore and sandy beach:

1. Compare and contrast the shore-line (intertidal and nearshore) a rocky intertidal and Sandy Beach. Choose a section of shoreline for each habitat type, both **intertidal** and **nearshore**, walk it carefully, and make note of the following:
 - a. Compare the abiotic factors including: wave shock, substrate type, exposure to wind and waves, habitat types. Be specific to the habitats listed
 - b. Compare the biotic factors focusing on: types of competition, types of predation, lifestyles of the organisms there, diversity of flora (plants) and fauna (animals).
2. Spend enough time in each habitat type to make a list of flora (plants) and fauna (animals) that you **see**. Look both onshore and offshore for this. Include mammals, birds, invertebrates, fish if you see any, and plants. You'll need to observe carefully for this one, especially at the Sandy Beach site. Use this information to make accurate judgements as to diversity (number of different species) differences, and the probable causes of the differences.
3. Make some comments about the differences, compare and contrast them, and specify *why* and *how* they are different.

Use the lab write-up format for this and include an introduction, a hypothesis, materials and methods used, and results. BE DETAILED