

Field Observations Laboratory – the Fall

On a separate piece of paper, answer the following questions. Use complete sentences. Include the question number at the beginning of each answer.

- 1) **Interview:** Share your organisms with **three** other lab groups (give the names of the people you interviewed). **Do the following for each group interviewed!**
 - A) Did everyone see the same things? What organisms did they see that you did not?
 - B) Look at the map of their study site. **What was different about their study site** that might have caused them to see the same or different organisms that you did?
- 2) Exactly **why** do you think that the organisms in your study site were there?
 - A) What other parts (living and non-living) of the study site do you think that they are interacting with?
 - B) How do you think they were interacting?
 - C) Describe a possible interaction.
- 3) Do you think that these organisms would be healthy in downtown San Diego?
Why or why not?
- 4) Pick one interesting organism (plant or animal) that you observed. What **specific adaptations** does this plant or animal have **to help it to survive in the environment at your site?**

Use your map and the drawings of the organisms to help you remember what the organisms looked like and what the arrangement of your study site was.
- 5) Pick **two organisms** that are **native** to this environment that you **did not see** in your investigation. Discuss an explanation for why you did not see them.
- 6) Write out a food web (using arrows) that involves all of the organisms that you encountered in this investigation. **Show all of the possible interactions. Note: you may have to add a few organisms common to the area in order for the food web to be detailed.**
- 7) Write a hypothesis of a testable problem or question that may explain one of your observations in the field. In other words, **think of an experiment you could conduct** in your study area. Be sure to include a **hypothesis, procedure, experimental group** and **controls**.

