

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Evolution and Species Interactions**  
**Video Test – Blue Planet: Coral Seas**

1. As you watch the introduction sequence, list three **abiotic** factors in this ecosystem.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. The coral polyps reproduce by “budding”. What kind of reproduction is this?
  - a. Sexual
  - b. Asexual
3. Would you classify the coral polyps as a **keystone species**? Explain why or why not.
4. How would you classify the relationship between the algae and the coral polyps?  
**Explain why.**
5. Which **abiotic factor** is the **critical factor** in the growth of the coral polyps?
6. How would you classify the relationship between the butterfly fish and the coral polyps?  
**Explain why.**
7. Why is it an evolutionary advantage for the coral polyps to only come out at night?
8. How would you classify the relationship between the coral polyps and the plankton?  
**Explain why.**
9. How would you classify the relationship between the different species of coral?  
**Explain why.**
10. How would you classify the relationship between coral and the crown-of-thorns starfish?  
**Explain why.**
11. How would you classify the relationship between coral and the small crabs?  
**Explain why.**
12. How would you classify the relationship between parrotfish and coral?  
**Explain why.**