


# Coral reef ecology

Pre/Post evaluation



# 1. Which of the following provides the **BEST** definition of ecology?

- A. The study of ecosystems
- B. The study of organisms and their interactions
- C. The study of organisms and their interactions with each other and the environment
- D. The study of organisms and their place in the ecosystem



2. Healthy ecosystems are characterized by having high biodiversity, this means they:

- A. Have highly adapted species surviving in the environment
- B. Have high species diversity and a high abundance of many different species
- C. Are characterized by dominant species
- D. Can recover easily from human disturbance

# 3. What is coral?

- A. An animal
- B. A plant
- C. A rock
- D. All three

## 4. A symbiosis can be:

- A. A parasite living inside a host
- B. A shrimp living in the crevices of coral
- C. Algae living inside the cells of coral
- D. All of the above are examples of symbioses
- E. Only B and C are true symbioses




5. Reef building corals have a symbiotic relationship with which of the following:

- A. Crabs
- B. Algae
- C. Fish
- D. None of the above
- E. All of the above



## 6. Coral reef bleaching is **BEST** defined as:


- A. Chemical pollution causing coral to die
- B. Overgrowth of macroalgae and seaweed on the reef
- C. A stress response that results in algal symbionts leaving the coral tissue
- D. A stress response that results from predation on coral



7. Coral reef ecosystems support a diversity of organisms, herbivores are important organisms on the reef and can be defined as:

- A. Those that specialize in eating plankton
- B. Those that specialize in eating algae
- C. Those that specialize in eating fish
- D. Those that specialize in eating coral





8. Corals compete with one another on the reef by growing over or shading other colonies. What resources are corals mainly competing for?

- A. Food
- B. Light
- C. Space
- D. All of the above
- E. A and B
- F. B and C



## 9. Which of the following are ecosystem services that coral reefs provide?

- A. Coastal protection from storms
- B. Food
- C. Recreation and tourism
- D. Medicine
- E. All of the above
- F. A, B, and C only