

## *Study Guide: Interactions and Ecosystems-Section 1 & 2*

**(P9)**

What do the terms 'biotic' and 'abiotic' mean?

Look at the pictures on pages 8 and 9. List 3 biotic and 3 abiotic factors.

Give 1 example from these pictures about an interaction that might be taking place.

What is an ecosystem?

**(P12)**

What are the five basic needs that all living things have?

**(P28)**

Explain the following terms and give 2 examples of each:

Producer:

Consumer:

Carnivore:

Herbivore:

**(P39)**

**Look at the pyramid on P39.** Why does the number of organisms decrease as you go up the pyramid? Think about how food energy flows. What is always at the start of every food chain or web?

What is the difference between a food chain and a food web? Why is a food web more realistic?

**(P19)**

What is an adaptation? Give 3 examples of organisms and their adaptations.

**(P20-23)**

Three of the methods of dealing with waste are **burning, landfills and recycling**. Give one positive and one negative affect for each of these ways.

Burning:

Landfills:

Recycling:

**(P45-46)**

**Look at figure 2.19**

What is the order of events in the water cycle? Why is this called a cycle?

**Look at figure 2.20**

What 3 things in this picture are giving off carbon dioxide?

What gives off oxygen?

Why is the carbon cycle so important to all living things?

**(P16-17)**

What is the relationship between an orchid and a tree called?

What is the relationship between a human and a mosquito called?

What is the relationship between a goby fish and a snapping shrimp called?