

Eating for Energy in the Galapagos - conclusions

☺ Considering the work you just completed,

Provide a definition for **food chain** in your own words:

Provide a definition for **food web** in your own words:

☺ Analyze your food chains to answer the following questions. Don't forget to use the hints on the front page of this packet!

- 1) In general, what do you notice about each of the food chains?

- 2) What observations can you make about animals like the shark and killer whale?
- 3) What observations can you make about the fur seal?
- 4) How do these observations (from #2 and #3) help you understand food chains and food webs?
- 5) What conclusion can you make about the living thing at each end of the food chains you created?
- 6) Which picture represents the object responsible for keeping all living things alive? Why?
- 7) Write a summary of what you have learned through today's activity. Be prepared to share your response with your peers.

Eating for Energy in the Galapagos

Name: _____ Period: _____ Date: _____

Background:

As you were watching the film *Galapagos*, you may have noticed the extraordinary variety of life found throughout the islands. The one thing that all living things have in common is that they all need energy. Plants, like algae, can get their energy from the sun. Animals, like fish, get their energy by eating other living things. Some animals eat plants, some eat animals, and some can eat both. The goal of every living thing is to get energy!

Task:

On the inside of this packet, there are photos of many of the living things found in the Galapagos. You will need to use color-coded lines to connect each living thing with its energy source.

In order to do this you will be making 5 different food chains. For each food chain you will need to include as many living things as possible. Use the readings to figure out what each living thing eats. The instructions for each food chain are listed below:

- In RED: Create a food chain that contains the Fur Seal
- In PURPLE: Create a different food chain that also contains the Fur Seal
- In GREEN: Create a food chain that contains the Killer Whale
- In ORANGE: Create a food chain that contains the Galapagos Hawk
- In BROWN: Create a food chain that contains the Marine Iguana

Once you have finished creating your 5 food chains, analyze your work by answering the conclusion questions on the back of this packet!

Here are some hints:

- Use complete sentences in your answers
- Think critically as you try to answer each question
- Refer to your color-coded food chains and the original readings to help you give the most complete answers