

II. Determine the producers/consumer levels. Look at your food web. For each organism follow the arrow back until you reach the producer. In the chart below put a check in the box if that organism is that level consumer or producer. **Some organisms will be more than one level in the food web.**

ORGANISM	PRODUCER	1 ST CONSUMER	2 ND CONSUMER	3 RD CONSUMER	4 TH CONSUMER	5 TH CONSUMER
SNAIL		X				
ABALONE						
HUMANS						
SEA OTTER						
SHARK						
SKATE						
SEA STAR						
WHALES						
LEOPARD SEALS						
KRILL						
SEA URCHINS						
KELP						
CLAMS						
PENGUINS						
PHYTOPLANKTON						
FISH						
SPONGES						

III. **MAKE UP A COLOR CODING SYSTEM FOR EACH LEVEL OF CONSUMER.** Color the boxes using those colors. If the animal is at more than one level in the web split the box uses the different colors.

IV. Conclusion.

1. Why do you think humans are often called the TOP of the food chain?
2. Give 2 examples of a *food chain* within the web.
3. Krill are small shrimp. What are 3 things that could happen if the krill population was killed by some disease?
4. Phytoplankton are plants. Why are they at the bottom of the food web?
5. In all food webs where does the original source of energy come from?
6. What are the 2 producers in this food web? What would happen if they became extinct?



FOOD WEBS

1. Below are listed a few of the steps in a marine food web. Put the following words (in boxes) on a piece of paper and **DRAW** them. **SPREAD THEM OUT!** Each organism should appear ONCE in the food web. There are 17 different organisms so you should have 17 names on your paper. Add the arrows to make the food web.

<u>CONSUMER</u>	<u>CONSUMED</u>	<u>CONSUMER</u>	<u>CONSUMED</u>
SNAIL ←	KELP	HUMANS ←	SHARK
ABALON	KELP	HUMANS	CLAMS
HUMANS	KELP	SEA OTTER	SEA URCHINS
SEA OTTER	ABALONE	HUMANS	FISH
HUMANS	ABALONE	FISH	SPONGES
SHARK	SEA OTTER	SEA URCHINS	SPONGES
SKATE	CLAMS	HUMANS	SKATE
SEA STARS	CLAMS	SEA STARS	SNAILS
WHALES	KRILL	PENGUINS	KRILL
LEOPARD SEALS	PENGUINS	SPONGES	PHYTOPLANKTON
KRILL	PHYTOPLANKTON	CLAMS	PHYTOPLANKTON
SEA URCHINS	KELP		