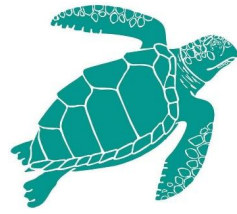




Libra 2024

Sea Turtle Supper: Food Chains and Food Webs



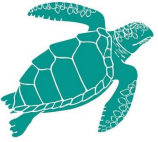
KIMBERLY ESCALANTE

Education Coordinator
(she/her/hers)

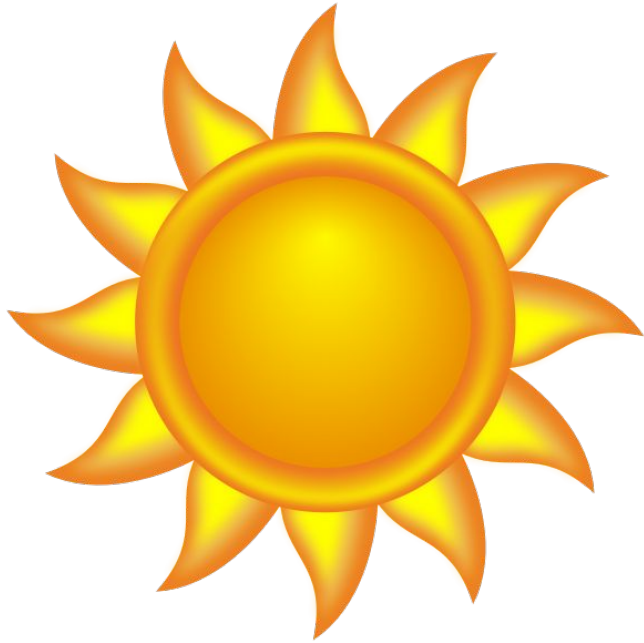
-  kescalante@seaturtlehospital.org
-  (w) (910) 329-0222
-  www.seaturtlehospital.org
-  P.O. Box 2095, 302 Tortuga Lane
Surf City, NC 28445



Karen Beasley
**SEA TURTLE RESCUE
& REHABILITATION CENTER**
SURF CITY, NC USA

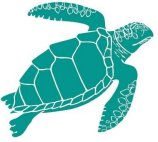


The Power of the SUN



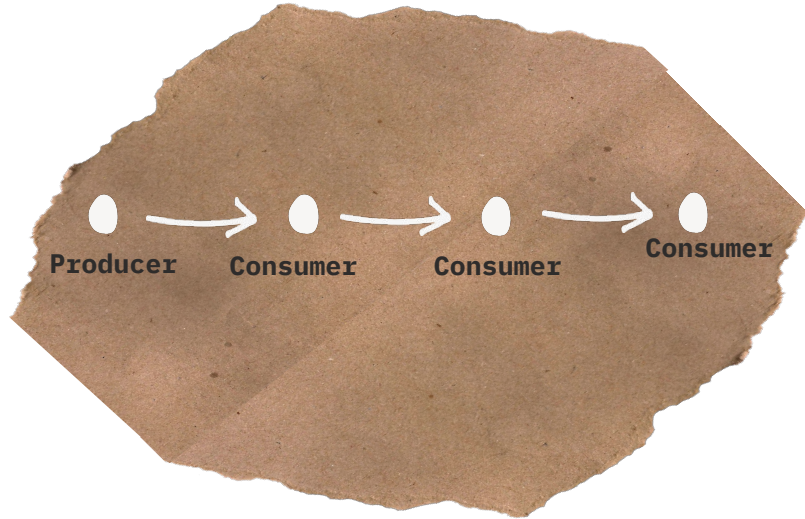
The Sun is the source of most energy on Earth. All processes on the planet can be traced back to the heat and light it radiates.

What is the Sun's role in food chains and food webs?



Food Chain

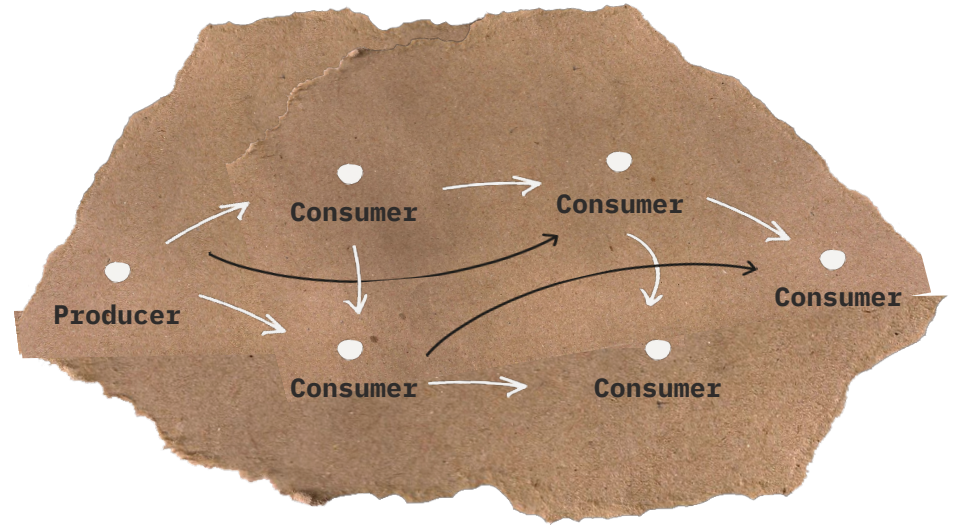
Shows the feeding relationships between organisms.

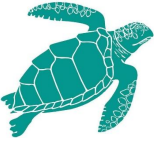


VS.

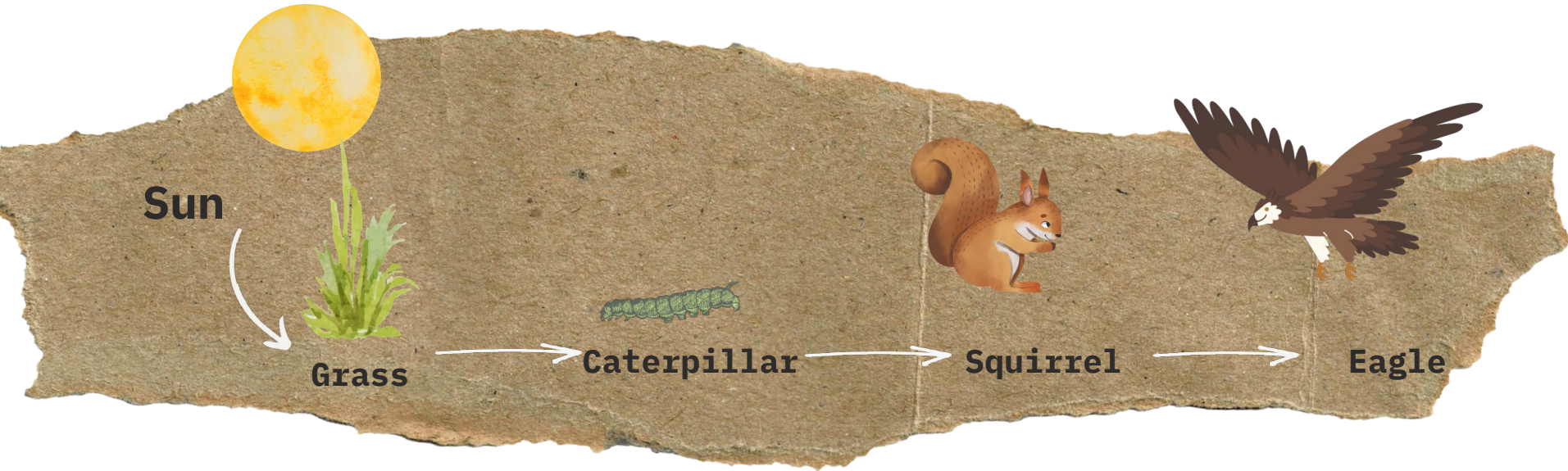
Food Web

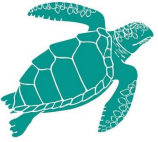
Consists of several food chains in a single ecosystem.



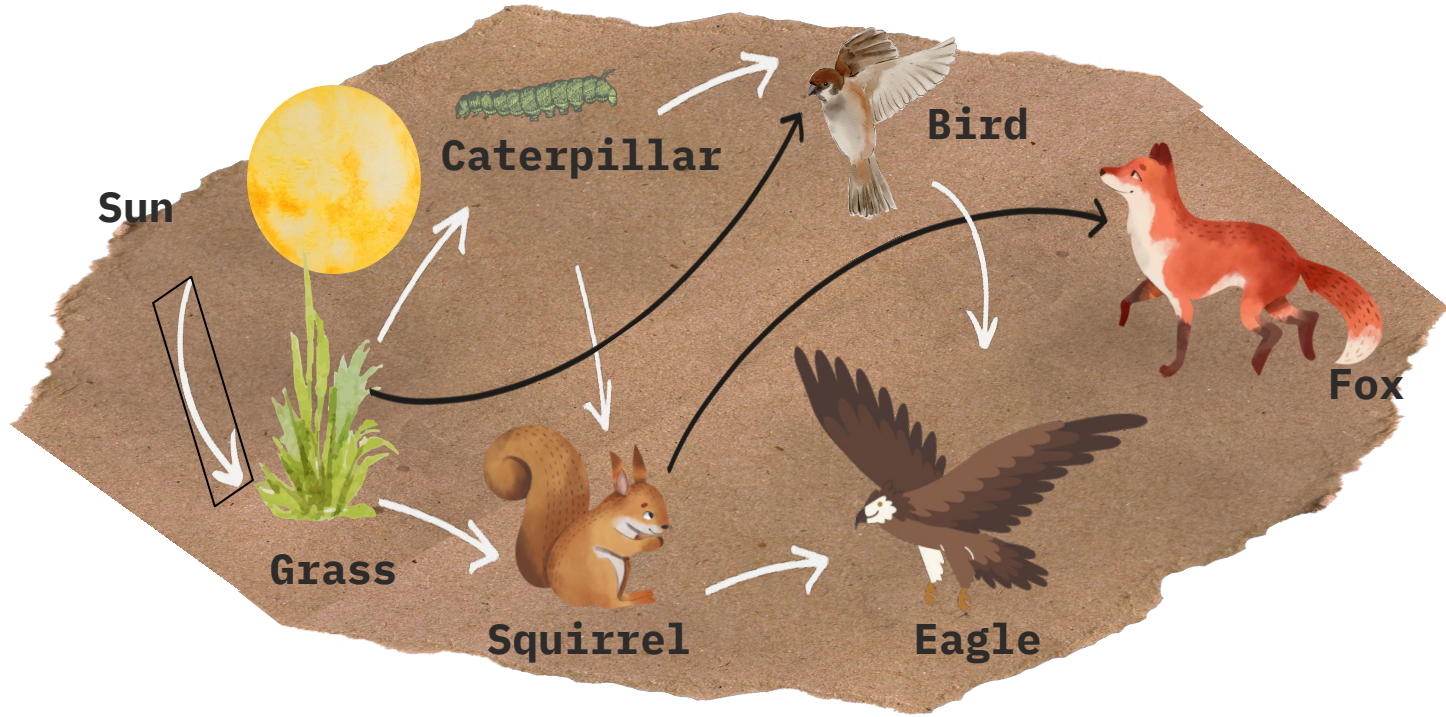


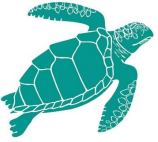
Food Chain





Food Web

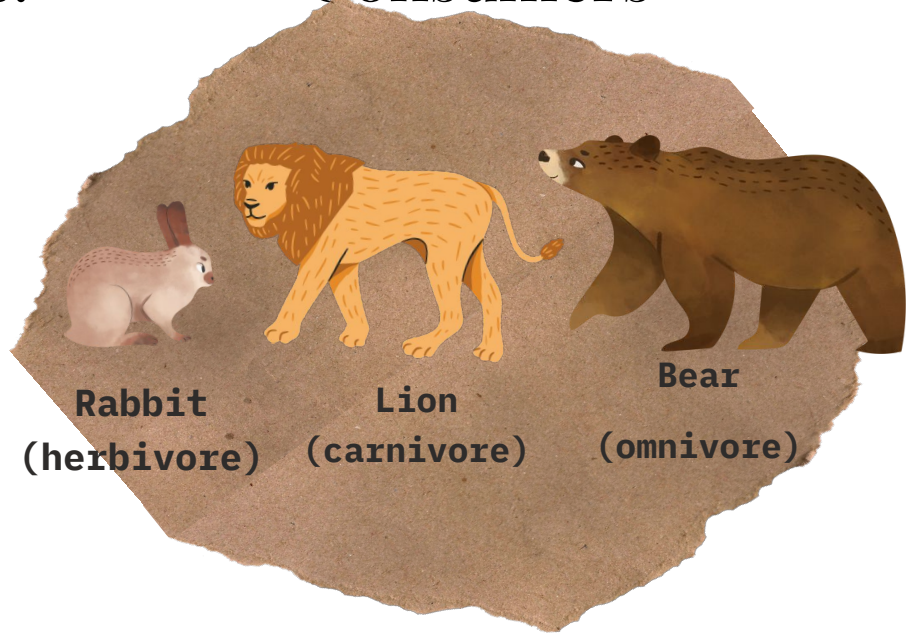
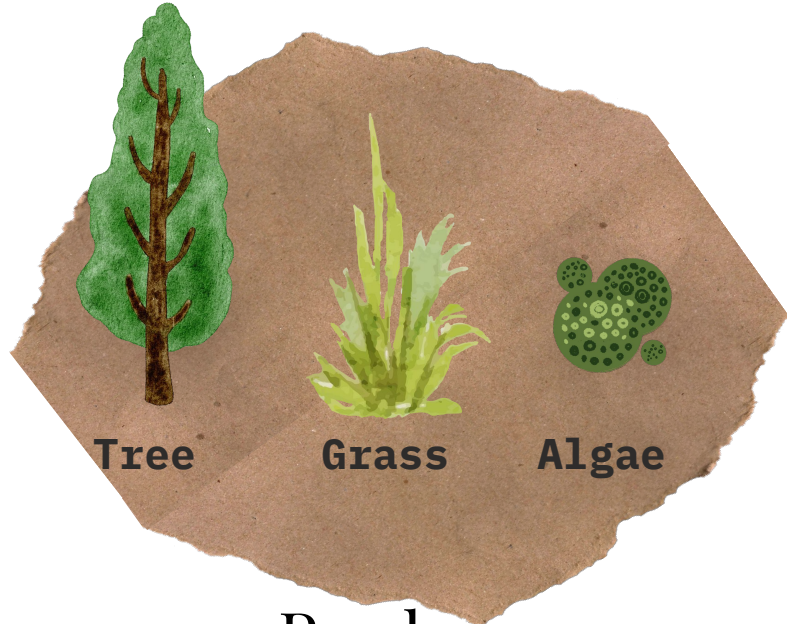




Producers

vs.

Consumers

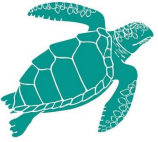


Producers

Produce their own food through photosynthesis

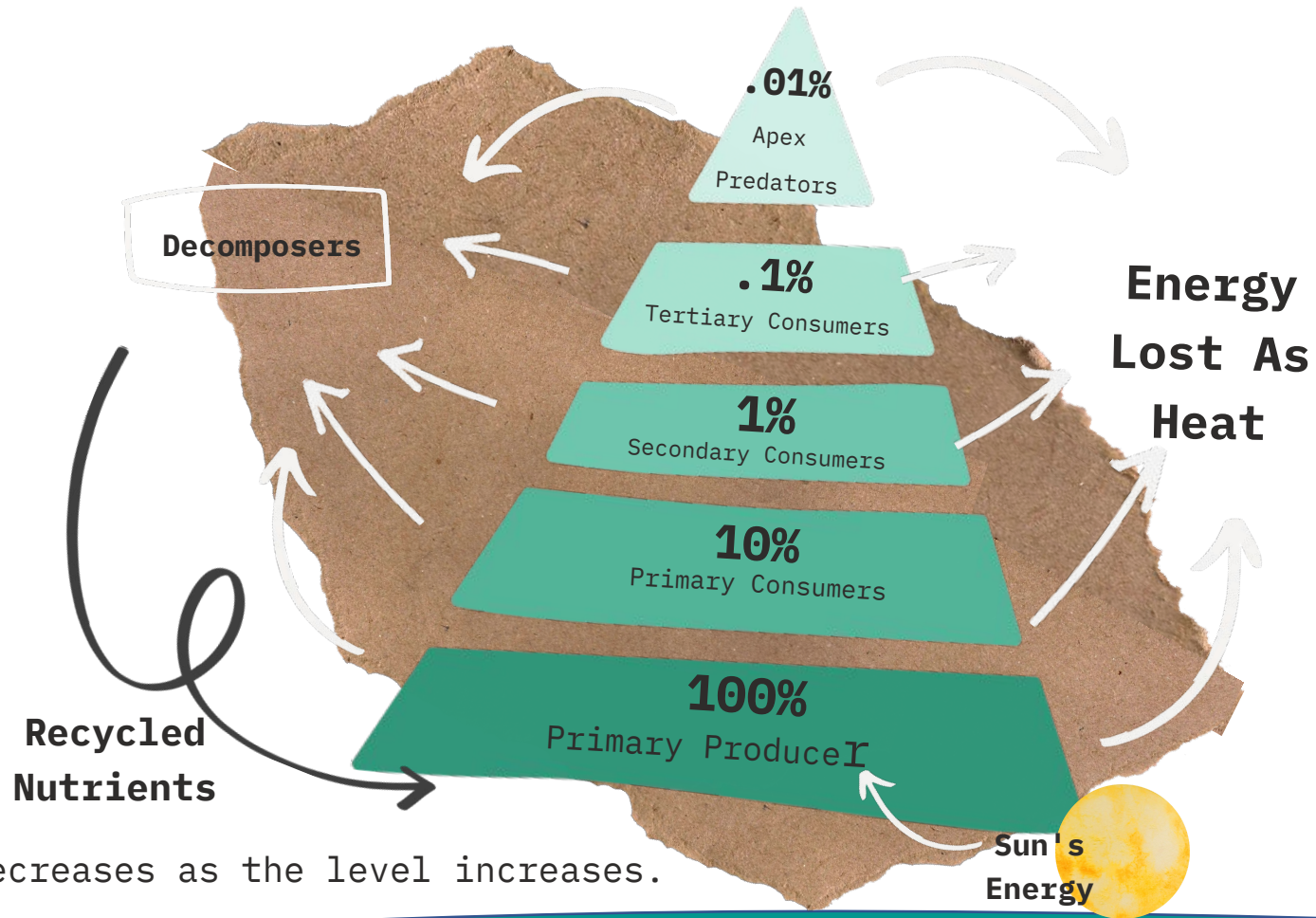
Consumers

Obtain their energy from eating plants and other animals

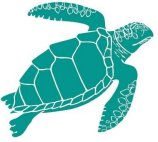


The Energy Pyramid

Graphical model of how energy flow in a community.

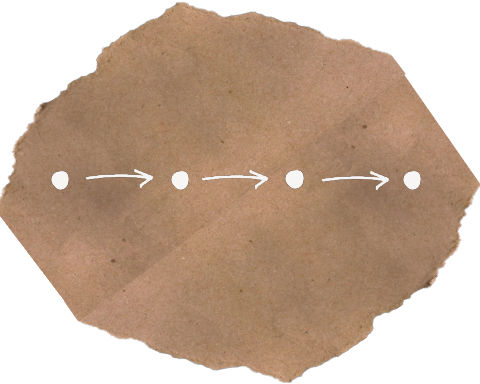


The available energy decreases as the level increases.

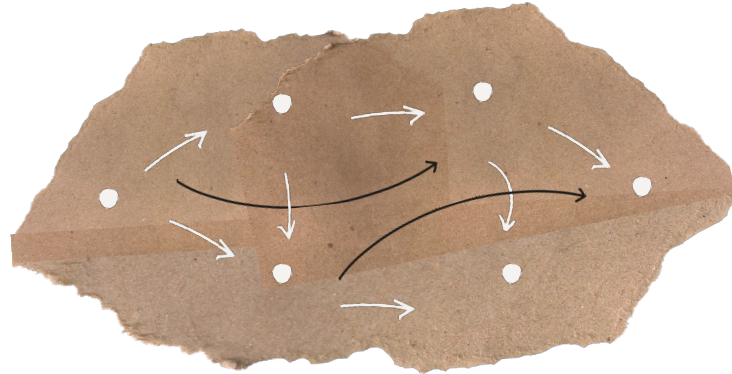


Summary

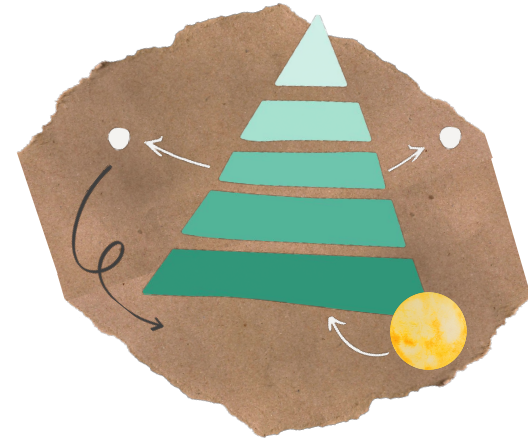
1.



2.



3.



Food Chain

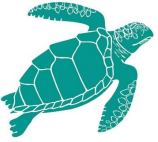
Shows feeding relationships between organisms

Food Web

Composed of several food chains

Energy Pyramid

Represents the energy flow in the ecosystem



Sea Turtle Diets



KEMP'S RIDLEY

- Crabs
- Fish
- Jellyfish
- Mollusks



LOGGERHEAD

- Whelks
- Conchs

GREEN

Juvenile

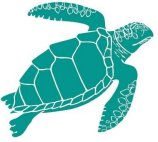
- Fish
- Jellyfish

Adults

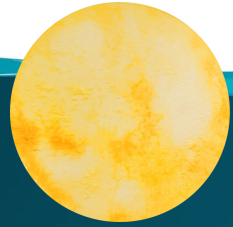
- Seagrasses
- Algae



Complete the Food Chain and Food Web Activity Print Out!



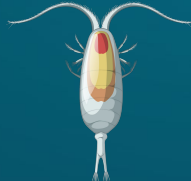
Food Chain (Answer)



Sun



Phytoplankton



Zooplankton



Fish



Kemp's Ridley

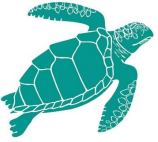


Producer

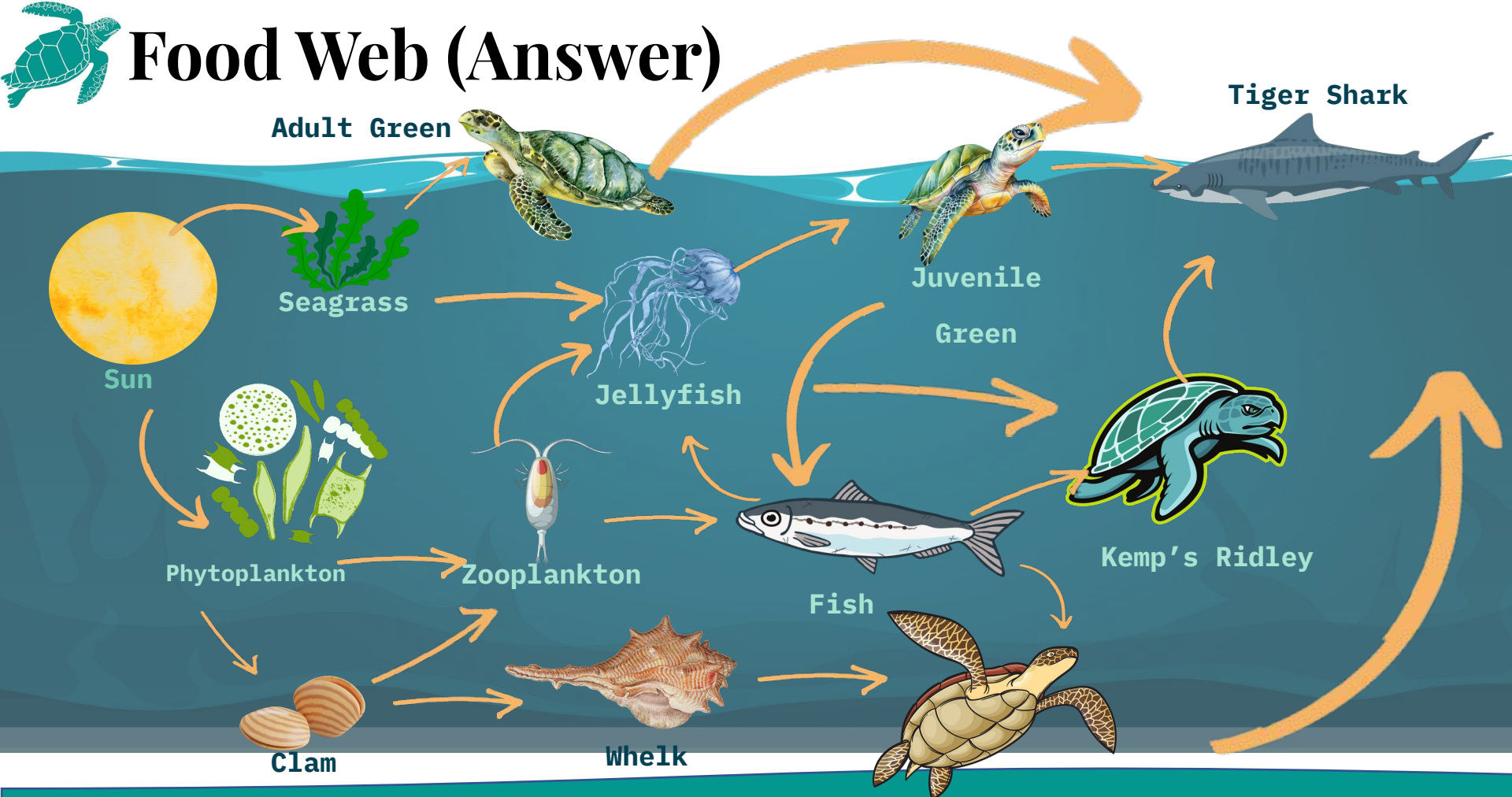


Consumers

Arrow represents the transfer of energy



Food Web (Answer)



Discuss what is affecting sea turtle populations.

Take out a sea turtle from the food web - discuss how the food web would change if they no longer existed.