

Human Impact Lab: Unintentional Boater Impacts

Loggerhead Marineline Center

Loggerhead Marineline Center is an ocean conservation organization and sea turtle hospital located adjacent to one of the most important sea turtle nesting beaches in the world. The Center features an on-site campus hospital, research laboratory, educational exhibits and aquariums, and also operates the Juno Beach Pier, which hosts world-class angling and sightseeing. The Center's conservation team works with 76 local and international organizations across six continents to form partnerships and share conservation initiatives and best practices that are core to its mission of ocean conservation. The Center is expanding and has launched its Waves of Progress capital expansion campaign, designed to accelerate and amplify LMC's conservation and education impact.

Our mission is to promote conservation of ocean ecosystems with a special focus on threatened and endangered sea turtles. Our vision is to be recognized locally and internationally as the leading authority in sea turtle education, research and rehabilitation.



Lesson Objectives

- I can identify the organs in the human, sea turtle, and shark
- I can describe the similarities and differences between human anatomy and the anatomy of other animals
- I can observe marine life from a safe and responsible distance

Vocabulary

Skeleton- an internal or external framework of bone, cartilage, or other rigid material for support
Exoskeleton- a rigid external covering for the body providing support and protection

Organ- a part of an organism that is self-contained and has a specific vital function

Homologous Structure- an organ/body part that appears in animals from the same ancestor and is similar in structure/location

Analogous Structure- an organ/body part that appears in animals from different ancestors but is similar in structure/location

Taxonomy- the classification of organisms

Resources

Loggerhead Marineline Center's Anatomy PPT

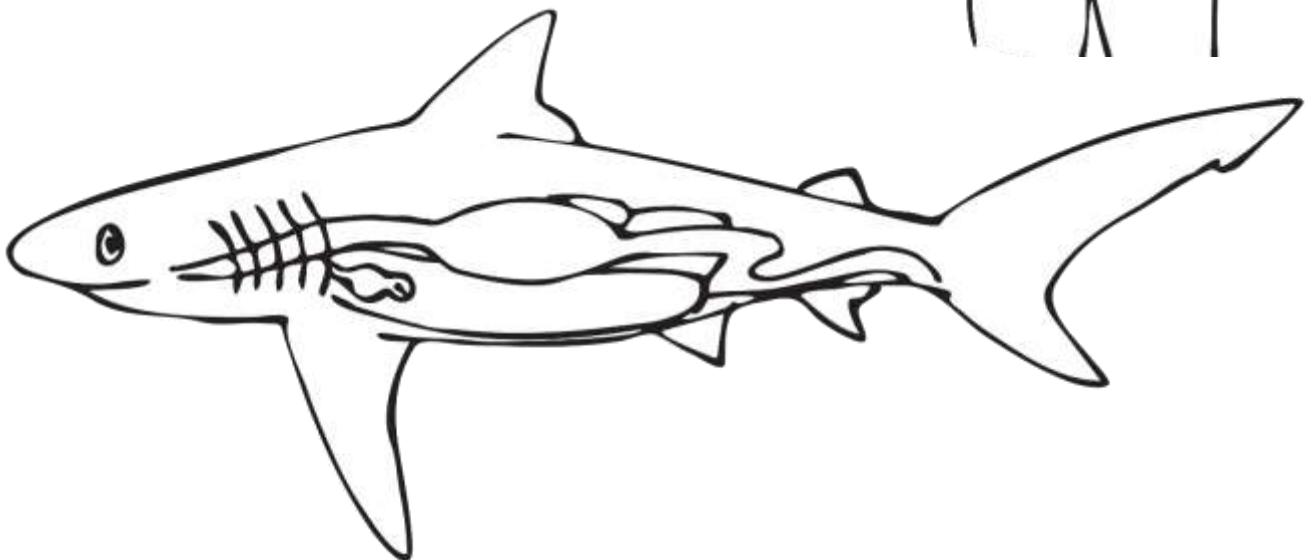
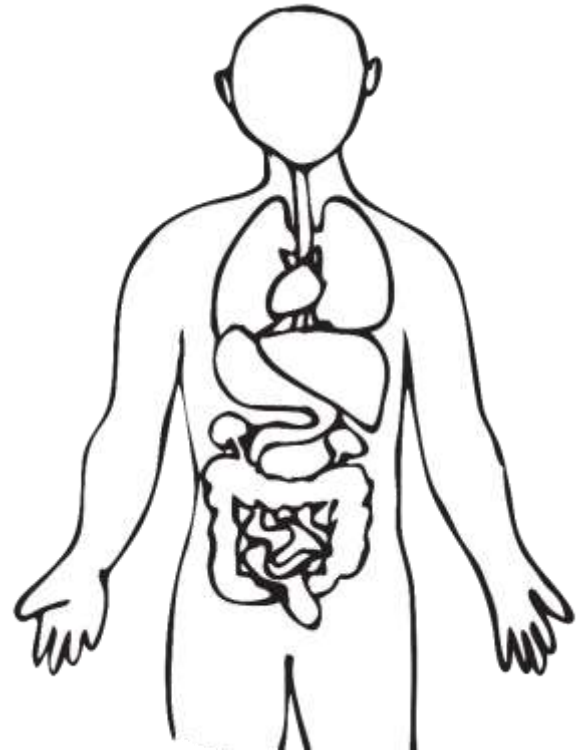
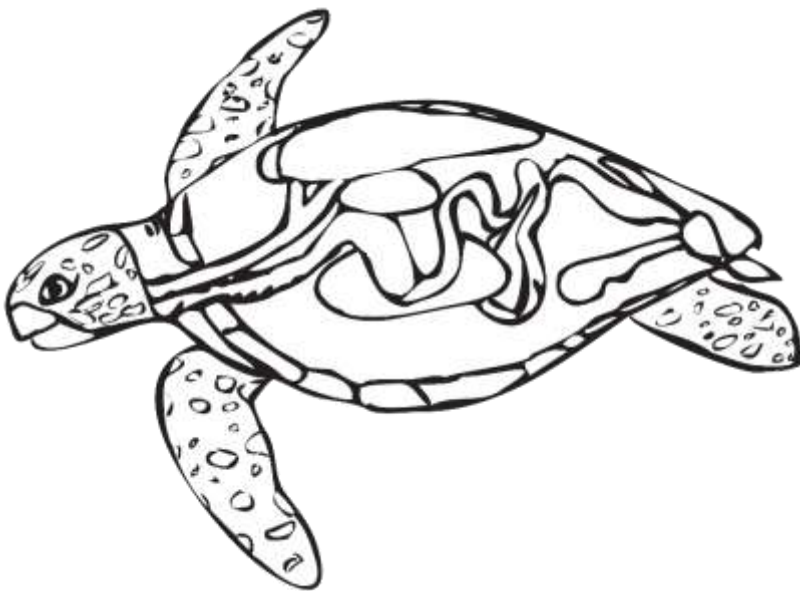


Visit Marinelife.org to learn more about Loggerhead Marineline Center!

Comparative Anatomy Worksheet (Grade 5-8)

Directions: Comparative coloring! Follow the directions below to match the organs found in a human, sea turtle, and shark!

1. Where is the heart? Color it red.
2. Where is the stomach? Color it green.
3. Where are the lungs? Color them purple.
4. Where is the liver? Color it blue.
5. Where are the intestines? Color them yellow.
6. Where is the esophagus? Color it orange.



Sea Turtle Watching Binoculars (Grade Pre-K - 2)

Sea turtles must come up to the surface of the water in order to breathe. We should use caution when boating by obeying wake zones, wear polarized sunglasses, and keeping an eye out for sea turtles and other marine life!

In order for us to become responsible boaters, we have to be on the lookout for sea turtles! Follow the directions below to make your own Sea Turtle Watching Binoculars!



Materials:

- 2 toilet paper rolls
- Glue (hot glue or liquid glue) or Stapler
- Yarn or String
- Coloring utensils (crayons, markers, paint, etc.)
- Stickers (if available)
- Construction Paper (if available)
- Scissors or hole puncher

Directions:

1. Take two toilet paper rolls and glue or staple them together.
2. Decorate your toilet paper rolls however you would like! You can use stickers, paint, markers, crayons, and other craft supplies you may have at your house!
3. Punch one hole into the outside of each toilet paper roll and tie a string to each hole.
4. Go outside and explore with your new binoculars!

