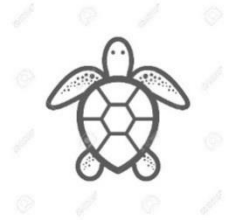


## Lab: Sea Turtle Tracking



Today we will be tracking sea turtles to analyze their behaviors and body structures that allow them to survive in Earth's oceans. These are dynamic creatures that are, in some cases, severely threatened but our conservation efforts have paid off. In fact, as of January 16, 2019, with the assistance of the Endangered Species Act, sea turtle populations have increased 980% (biologicaldiversity.org). WOWWWWEEEE!

<https://conserveturtles.org>

**Click on "Sea Turtles". Double click "General Information".**

- 1- Where are sea turtles found?
  
- 2- Describe the structures that make up the shell of sea turtles.
  
- 3- Outline the Classification of sea turtles.
  - K-
  - P-
  - C-
  - O-
  - Suborder-
  - F-

**Click on "Sea Turtles". Double click "species".**

Turtle	Scientific Name	General Characteristics/Summary/Locations
Loggerhead		
Green		
Leatherback		
Hawksbill		
Kemps Ridley		
Olive Ridley		
Flatback		

**Click on "Sea Turtles". Double click "Threats".**

- 4- Outline 3 different threats of sea turtles.
  - \*
  
  - \*
  
  - \*

**Click on "Turtle Tracker". Click on "How it works".**

- 5- What percentage of a turtle's life is spent in the water?
  
- 6- How far can turtles travel between laying their eggs and foraging?

- 7- Define satellite telemetry.
- 8- Discuss the way Platform Terminal Transmitters function.
- 9- How long does the transmitter function?
- 10- Why do we not get data from turtles daily?
- 11- Why would a turtles location points stay in the same place?
- 12- How are transmitters attached to the turtles?

**Click on “Turtles Tracker”. Click on “Active Sea Turtles”. Pick one turtle to analyze.**

13- Turtles Name:

General Characteristics:

Last Location update:

Cumulative Distance:

**Click on your turtles “migration map”.**

14- Using your map which body of water is your turtle frolicking in?

15- What landmarks help to identify where in world your turtles is located? \_\_\_\_\_

**Click on “Get involved”. Click on “Actions you can take”.**

16- List 3 things you can do to help protect sea turtles.

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**Click on “Get involved”. Click “Reducing plastic waste”.**

17- How does plastic debris reach the ocean?

18- What number of marine organisms die every year from plastic debris?

19- In what way do microplastic get ingested by turtle hatchlings?

20- Anatomy for adult sea turtles works against them. Why are plastics a problem for them?

21- What are the most common plastics found on the coast, besides straws?