

## **TURTLE SCIENCE ANSWER KEY:**

### 1) Complete the record.

Visit our Hospital website to verify answers for current and former patients: [mote.org/hospital/turtle](http://mote.org/hospital/turtle).



### 2) Which 5 species are found in the Gulf of Mexico and treated at Mote's Sea Turtle Hospital?

In order of most to least commonly treated: Loggerhead, Green, Kemp's Ridley, Hawksbill, and Leatherback.

**Bonus:** which 2 are not found in the Gulf of Mexico? Olive Ridley and Flatback

### 3) Turtles in a human world. What threats do sea turtles face? How can we help them?

Possible answers: pollution (Deepwater Horizon oil spill), fibropapilloma tumors.

Funds from the Florida Sea Turtle License Plate support research, conservation and education programs that benefit sea turtles. Volunteers monitor turtle nesting beaches.

## STANDARDS

### • **Next Generation Science Standards**

- 6th - 8th Grades:
  - MS-LS2 Ecosystems: Interactions, Energy, and Dynamics
  - LS2.A: Interdependent Relationships in Ecosystems (MS-LS2-1), (MS-LS2-2)
  - LS2.C: Ecosystem Dynamics, Functioning, and Resilience (MS-LS2-4), (MS-LS2-5)
  - LS4.D: Biodiversity and Humans (secondary to MS-LS2-5)
  - MS-ESS3: Earth and Human Activity
  - ESS3.C: Human Impacts on Earth Systems (MS-ESS3-3), (MS-ESS3-4)
- 9th - 12th Grades:
  - HS-LS2: Ecosystems: Interactions, Energy, and Dynamics
  - LS2.A: Interdependent Relationships in Ecosystems (HS-LS2-1), (HS-LS2-2)
  - LS2.C: Ecosystem Dynamics, Functioning, and Resilience (HS-LS2-2), (HS-LS2-6), (HS-S2-7)
  - LS4.D: Biodiversity and Humans (HS-LS4-6), (secondary to HS-LS2-7)
  - ETS1.B: Developing Possible Solutions (secondary to HS-LS2-7)
  - HS-LS4: Biological Evolution: Unity and Diversity
  - LS4.C: Adaptation (HS-LS4-5), (HS-LS4-6), (HS-LS4-5)
  - LS4.D: Biodiversity and Humans (HS-LS4-6), ((HS-LS4-7)
  - HS-ESS3: Earth and Human Activity
  - ESS3.C: Human Impacts on Earth Systems (HS-ESS3-3), (HS-ESS3-4)

### • **UN Sustainable Development Goals**

- #4: Quality Education - <https://www.un.org/sustainabledevelopment/education/>
- #14: Life Below Water - <https://www.un.org/sustainabledevelopment/oceans/>

### • **Ocean Literacy Principles**

- OLP #5 The ocean supports a great diversity of life and ecosystems
- OLP #6 The ocean and humans are inextricably interconnected

## RESOURCES



### TWO SEA FANS PODCASTS

#### ***SHE STUDIES SEA TURTLES ON THE SEASHORE:***

Senior Biologist Melissa Bernhard  
<https://mote.org/podcasts/item/she-studies-sea-turtles-on-the-seashore>

#### ***TAGGING ALONG WITH SEA TURTLES:***

Senior Biologist Kristen Mazzarella  
<https://mote.org/podcasts/item/tagging-along-with-sea-turtles>

#### ***MARINE MEDIC:***

Medical Care & Rehabilitation Coordinator  
Lynne Byrd  
<https://mote.org/podcasts/item/marine-medic>



### MOTE MAGAZINE

#### ***HUGE YEAR FOR NESTING TURTLES***

[https://issuu.com/motemarinelab/docs/motemagazine\\_fall2019\\_16pager\\_ffw/6](https://issuu.com/motemarinelab/docs/motemagazine_fall2019_16pager_ffw/6)

#### ***KEYS TO CONSERVATION***

[https://issuu.com/motemarinelab/docs/motemagazine\\_2018spring\\_16pager\\_ffw/6](https://issuu.com/motemarinelab/docs/motemagazine_2018spring_16pager_ffw/6)