

Teacher's Page

Threats to Sea Turtles



Materials:

- Florida County Transparency (see attached document)
- Calculators (optional)
- Computer
- Projector
- Aquarium nets– small (available at all pet stores)
- Small red (colored) objects / brown rice – shrimp pieces
- Larger green (colored) objects/dried lima beans – turtle pieces
- Small Aquarium tanks (or other plastic/glass containers)
- Water
- Overhead projector
- Transparencies
- Colored pencils/markers

Documents List:

- ✓ Florida County Map
- ✓ Food Web Diagram
- ✓ Food Web Diagram Answers
- ✓ Threats to Sea Turtles
- ✓ Threats to Sea Turtles Answers
- ✓ Threats Concept Map

Background Information:

The following websites provide further diagrams, information on and pictures of natural and anthropogenic threats to sea turtles:

<http://www.euroturtle.org/threats/threatdiag.htm>

<http://www.turtles.org/threats.htm>

http://research.myfwc.com/features/category_sub.asp?id=4944

http://www.panda.org/about_wwf/what_we_do/species/about_species/species_factsheets/marine_turtles/index.cfm

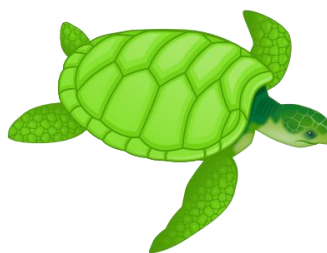
Directions:

1. Review material from the previous lesson with the “Food Web Diagram” starter activity. You may want to make an overhead transparency of this sheet to fill in with the class as you discuss the answers to the worksheet.
2. Present students with fourth portion of Sea Turtle Conservation PowerPoint – see notes section of PowerPoint for more information.

3. Hand out and provide directions for the “Threats to Sea Turtles Activity.”
4. For the Artificial Lighting section of this activity students will need to reference the data they worked with during the “Florida Sea Turtle Nesting Data” activity.
5. You may also want to have the Florida County Map transparency displayed using the overhead projector.
6. Prior set up is required for the Bycatch section of the activity. You will need to see up as many aquarium tanks (containers) as possible with a large number (100) shrimp pieces, and a small number (10) turtle pieces – fill with water.
7. Have students work in pairs or individually to complete activity and questions.
8. Finally, have students fill in the “Threats Concept Map” and discuss the answers as a class – again, you may want to make the concept map into a transparency that can be completed with the class on the overhead projector.

Fun Ideas:

- Make a copy of the “Artificial Lighting Map” as an overhead transparency. Darken the room and project the image. Locate your city, and other larger cities on the map as a class.
- If possible small turtle plastic or game pieces gives the Bycatch activity added interest.
- Also, dye the aquarium tank water a light blue – for added effect.



Florida County Map

