



***Once Upon a Tide* Student Worksheet** Educators' Key

Work with your students to help a young girl learn about how the ocean protects humans, and the threats that it faces. Watch *Once Upon a Tide* as a class (available at <http://www.healthyocean.org> or by contacting the Center for Health and the Global Environment, Harvard Medical School at 617-384-8530 for a complimentary DVD copy) and ask your students to follow along with the story by filling in the fifteen blank terms in this worksheet.

The elementary contents standards of the National Science Education Standards addressed in this worksheet are as follows:

1. Science and technology in local challenges
2. Properties of objects and materials
3. Characteristics and life cycles of organisms and environments
4. Ability to distinguish between natural objects and objects made by humans
5. Changes in environments

Once Upon a Tide is the tale of a strange spell that has been cast over a town. This has caused everyone to forget about the ocean, all except for a little girl. Though she has never been to the sea, she heard the call of the ocean from a shell. The shell showed the girl that the ocean nurtured all life on the planet, by providing homes to most of the plants and animals on earth. The ocean provides food for millions, and touches all people on the globe by controlling the climate.

The shell told the girl that as the ocean suffered, then people would, too. Less fish would be available, because of overfishing. Of the remaining fish, many were filled with toxic poisons. Healthy food for millions of people was in trouble.

The scientists offered warnings. They said that the ocean was warming and humans could lose medicines and drugs. They also said that the climate and weather were changing. The future was at risk!

The spell has a weakness: that it was created by people ignoring the importance of the ocean. Then, the girl realized that all she has to do was open her eyes, and to learn to listen to the ocean.

This original film was produced as part of the Healthy Ocean, Healthy Humans Project at the Center for Health and the Global Environment, Harvard Medical School. Should you have any questions about this film, please contact the Center at by telephone at 617-384-8530 or by email at chge@hms.harvard.edu.