

Aquarium Jeopardy

Auditorium Program for Grades 6-8

Program Description: Test your knowledge about animals and habitats exhibited at the Tennessee Aquarium through this fun, interactive game. We'll provide the answers and your student teams will supply the questions. Finally, your team will have the chance to risk it all, wagering all or part of your points in the Final Jeopardy challenge.

Lesson: Learn about habitats, conservation and animals exhibited at the Tennessee Aquarium.

Conservation Message: All life on Earth exists as part of an ecosystem.

Curriculum Objectives:

Tennessee students will apply the following **Science Curriculum Content Standards:**

- " The student will identify adaptations that enhance the survival of organisms in an environment.
- " The student will classify plants and animals into groups according to their features.
- " The student will infer the consequences of a change in the population size of an organism in a food chain or food web.

Georgia students will apply the following **Science Performance Standards:**

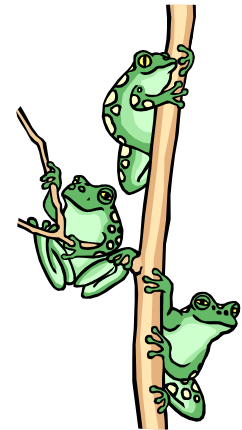
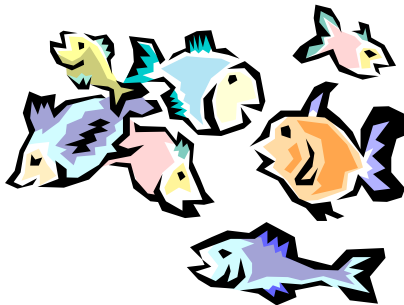
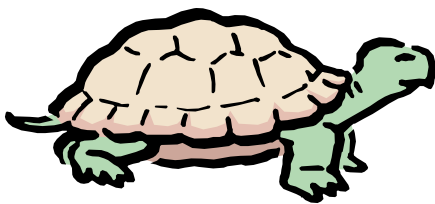
- " Students will examine the dependence of organisms on one another and their environments.
- " Students will investigate the diversity of living organisms and how they can be compared scientifically.

Alabama students will apply the following **Science Course of Study Content Standards:**

- " Describe organisms in the six-kingdom classification system by their characteristics.
- " Describe biotic and abiotic factors in the environment.
- " Identify major differences between plants and animals, including internal structures, external structures, methods of reproduction, and stages of development.

Additionally, all students will apply the following **National Science Education Content Standards:**

- " Develop an understanding of diversity and adaptations of organisms.
- " Develop an understanding of the regulation and behavior of living things.
- " Develop an understanding of populations and ecosystems.



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Activity Sheet



To complete the sentences below, unscramble the letters of the underlined words.

- 1) An animal's BTTIAHA is the specific place in which it is adapted to live and obtain food, water, shelter and space.
- 2) TTRRAASCCCSIHE are the distinguishing traits or qualities of individuals, species or groups of animals - i.e. scales of reptiles, fur of mammals, ear openings of lizards.
- 3) The region located between the Tropic of Cancer and the Tropic of Capricorn, crossing over the equator is often referred to as the PROITCS.
- 4) A toxin used for feeding or defense that must be injected into the victim is known as a MNOVE.
- 5) XPEEDTTARI species are absent from a portion of its native habitat but are not extinct from the planet.
- 6) DDIOECNRUT species (those brought to a new habitat) often compete with VTNIEA species for food, water, shelter and space resulting in declining populations of species that originally occurred in the habitat.
- 7) BHTTIAA RDOUNCTTIES (changing an area by removing or damaging the food, water, shelter or space) and MNNOOOTPIERCVUS (removing too much of a species so that the species is unable to maintain a genetically healthy population) are two of the five factors known as the HIPPO Dilemma that face many native wildlife populations.
- 8) In Aquarium exhibits, as in the wild, there are producer, predator and prey species representing some of the DOOF NCHIAS that make up the habitat's web of life.

* Helpful Hint - the words above can be found in the following list (however, not all words are used):

characteristics
equator
poison
pollution
venom
deforestation
extinct

adaptation
overconsumption
extirpated
habitat
protective coloration
reforestation
native

biodiversity
habitat destruction
runoff
tropics
erosion
food chains
introduced

Answers can be found on our Website at

http://www.tnaqua.org/KidsTeachers/Program_descriptions.asp



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Activity Page Answer Sheet

1. habitat
2. characteristic
3. tropics
4. venom
5. extirpated
6. introduced, native
7. habitat destruction, overconsumption
8. food chains

