

EXOTIC SPECIES ACTIVITY

Wanted Dead or Alive

http://whyfiles.org/160invasive_spec/index.html

Exotic Species: Also known as *Invasive Species*, *Non-indigenous Species*, *Non-native Species*, *Introduced Species*

Background Information: Go to the Environmental Literacy Council's web page and read their information on Non-native Species. <http://www.enviroliteracy.org/article.php/40.html>

Choose a Species: Visit one of the following web sites (or the links at the bottom of the above web page). The only requirement for choosing a species is that it must be a species that is invasive in the U.S., preferably one found in New York. The following are species I have identified as being invasive to the U.S. you should visit the sources below to select your organism.

Asian clam (<i>Corbicula fluminea</i>)	Asian swamp eel (<i>Monopterus albus</i>)
Water hyacinth (<i>Eichhornia crassipes</i>)	Snakehead fish (<i>Channa micropeltes</i>)
Yellow iris (<i>Iris pseudacorus</i>)	Nutria (<i>Myocastor coypus</i>)
Kudzu (<i>Pueraria montana var. lobata</i>)	Redbelly tilapia (<i>Tilapia zillii</i>)
Zebra mussel (<i>Dreissena polymorpha</i>)	European starling (<i>Sturnus vulgaris</i>)
Fire ant (<i>Solenopsis invicta</i>)	Chinese mystery snail (<i>Cipangopaludina chinensis malleata</i>)

- Species profile page of Invasivespecies.gov
<http://invasivespecies.gov/profiles/main.shtml>

New York Invasive Species
<http://www.invasivespeciesinfo.gov/unitedstates/ny.shtml>

- Biodiversity and Conservation: A Hypertext Book by Peter J. Bryant
<http://darwin.bio.uci.edu/~sustain/bio65/lec09/b65lec09.htm>

Research: Obtain more information on your species by doing a web search. Be sure to document your sources.

The Product: A "WANTED" poster for your species. Color, neatness, and creativity count. You must include:

NAME / ALSO KNOWN AS - Latin name / common name / "criminal" name (be creative).

PICTURE - a drawing or photograph (color would be nice.)

IDENTIFYING CHARACTERISTICS - key features to look for when identifying the criminal.

LAST SEEN - where did the species originally come from? Include a map.

SUSPECTED HIDEOUTS - include a US map with current distribution shaded AND a description of its preferred habitat to where this species has journeyed.

CRIMES COMMITTED - crimes must be specific to your species and not general to all invasive species.

REWARD - for elimination of your species, think ecologically, economically, socially, politically - again, be specific for your species.

Turn in separate from your poster the following information, **typed up on a single page:**

- An introduction history (where it came from and how it got here),
- Methods of control
- An explanation of all the information on your poster in more detail than poster allows, keep in mind all of the concepts we have studied in this unit that relate to the topic and try to tie them in. (To name a few - biodiversity, biotic potential, environmental resistance, predator/prey relationships, range of tolerance, habitat/niche, competitive exclusion principle, evolution, natural selection)
- Bibliography -- list of internet sites /web addresses OR appropriate bibliographic information