List of Selected Endangered or Threatened Species

Species	Where found	Teacher's notes
Alabama cave shrimp	U.S. (Alabama)	Indicator species for water quality
American burying beetle	U.S.	Decomposer: helps remove decaying animals
Asian elephant	Southeast Asia	Important for domesticated use
Attwater's prairie chicken	U.S. (Texas/Louisiana)	Indicator species for healthy coastal prairie, potential game animal
Black rhinoceros	Africa	Keystone species: play a pivotal role in maintaining savanna grasslands; megaherbivore
California condor	U.S. (California)	Carrion eater: helps remove decaying animals
Cheetah	Africa	World's fastest land animal
Chinchilla	Bolivia	Valuable fur species
Chinook salmon	U.S.	Important food species for humans
Cracking pearlymussel	U.S. (Tennessee/ Virginia)	Indicator species for clean water
Everglade kite	U.S. (Florida)	Umbrella species: eats snails, snails need healthy everglades
Giant panda	China	Umbrella species: undisturbed bamboo forest
Grizzly bear	U.S., Canada	Umbrella species: needs wilderness
Humpback whale	Oceania	Indicator species for marine biodiversity and health
Indiana bat	U.S. (Indiana)	Eats mosquitos and other insects
Karner blue butterfly	U.S.	Umbrella species: endangered savanna/barrens ecosystem
Kirtland's warbler	U.S., Canada	Umbrella species: scrub pine habitat, valuable for tourism
Mexican long-nosed bat	U.S., Mexico	Keystone species: important pollinator for cactus species
Mountain gorilla	Uganda, Rwanda, Burundi	One of homo sapiens closest relatives
Mountain sweet pitcher plant	U.S. (Carolinas)	Indicator species for healthy wetlands, valuable for collectors
Nene goose	Hawaii	State bird of Hawaii
Piping plover	U.S., Canada	Requires undisturbed beaches for nesting
Przewalski's horse	Mongolia, China, and Kazakhstan	Domesticated horses are descendants of this species
Red wolf	U.S.	Important predator
Scrub mint	U.S. (Florida)	Potentially valuable for medicinal use
Snow leopard	Asia	Threatened by poachers
Utah prairie dog	U.S. (Utah)	Keystone species: their towns offer habitat for other species
Vernal pool tadpole shrimp	U.S. (California)	A living fossil: it has been around over 70 million years
West Indian manatee	U.S., Caribbean	Helps keep sea beds from becoming overgrown
Whooping crane	U.S., Canada	Largest North American bird, important for tourism
Wood bison	Canada, U.S. (Alaska)	Numerous historical uses for food, clothing, etc.

Source: U.S. Fish & Wildlife Service. 2017. Environmental Conservation Online System: Threatened & Endangered Species

vocabulary in table defined

An **indicator species** is one that shows the effects of habitat alteration before others. Miners used to bring canaries into coal mines because they acted as an indicator species. If the canary died, the miners knew the air was bad and that they should vacate the mine.

By protecting an **umbrella species**, ecologists are able to protect many other species that share the ecosystem. This is usually because the umbrella species requires a large area of undisturbed habitat, which is also good for the other species that share the habitat.

A **keystone species** is one whose presence is necessary for other species to survive and thrive. Often, the keystone species provides some ecological service that no other species can provide, such as pollinating a certain type of plant.