ECO DILEMMAS

Students study and debate Sonoran Desert conservation issues.

OBJECTIVES

Students should:

- Realize that environmental issues are complicated and affect many different people.
- Become aware of some important
 Sonoran Desert conservation issues.

MATERIALS

• Eco Dilemma Cards - Handout

VOCABULARY

- Endangered an animal or plant that is so rare it may become extinct
- **population** a number of a group of animals or plants of the same kind
- species a group of plants or animals that are very nearly alike and are able to breed with each other. (For example, a fox and a coyote are similar, but they cannot breed with each other. A fox is one species and a coyote is another.)
- Threatened a species of plants or animals whose population is dropping quite a bit.

GETTING READY

Photocopy *Eco Dilemma Cards - Handout* for each student.

Doing the Activity

SETTING THE STAGE

Encourage the students to discuss conservation issues by asking pointed questions about land and resource use, i.e.:

- How many of them have visited a national, state, or county park?
- Have they ever seen any of the Endangered or Threatened species that they learned about at the Desert Museum in the wild (or have they heard about them on the news?) Why are some of these Endangered or Threatened?
- What natural resources did they use so far today?

Their responses should reflect a variety of ways that resources play a role in their own lives. Ask the students if they think natural resources are important in their lives, and if they think they have much of an impact on resources. Explain that they are going to read a series of scenarios related to wildlife and land resources to further pursue these questions.

ACTIVITY - ECO DILEMMAS

- 1. You can do this activity in many ways.
 You can read the dilemmas to the class
 for whole group discussion, or assign
 teams to study each issue and then hold a
 class debate. Students can also respond
 to the dilemmas individually in writing.
- 2. Tell students that they need to give reasons for their choices. Where applicable, have students support their opinions with factual information.

DISCUSSION

Discuss the students' choices. Remind them that despite disagreements, everybody's

choice is valid. Some of the choices may seem more environmentally or ethically correct, and some may have legal ramifications if the resource or animal is protected by laws. The following information outlines the legal positions surrounding the different scenarios.

- 1. Cave Dilemma: Since the cave is on private property, legally any access requires the permission of the owner.
- 2. Mexican Gray Wolf Dilemma: Because it is an Endangered species, Mexican Gray Wolves are protected by law. Those caught killing wolves can be fined or imprisoned. Contact the U.S. Fish and Wildlife Service (P.O. Box 1306, Albuquerque, NM, 87103; (505) 248-6656) for more information.
- 3. Cactus Ferruginous Pygmy Owl Dilemma: The Cactus Ferruginous Pygmy Owl is federally listed as an Endangered species and is therefore protected by law on public and private property. For more information, contact the U.S. Fish and Wildlife Service (address above) or the Arizona Game and Fish Department (Tucson 520-628-5376.)
- 4. Injured Animal Dilemma: It is illegal to keep a wild animal in captivity, but licensed wildlife rehabilitators have permission to temporarily keep and raise wild animals for later release or donation to a zoo. A wild animal is usually best left in its environment.

EXTENSION

Ask students to watch the local news on television and/or read the local paper for a few weeks. Have them record information on conservation issues and save relevant articles from the newspaper. Present each issue to the class for discussion and/or debate. Have students conduct more research on local issues and write editorials.

Cave Dilemma

You believe it is one of the largest, most pristine caves in the United States. After exploring part of it, you find out that it is located on private property. You know that if people find out about this cave it will never be the same. (Letting in outside air is damaging to caves and touching cave decorations can stop them from growing.) Do you:
leave the cave, tell no one, and never go back
keep the cave a secret and return to enjoy it later
call a local natural history museum for advice
call the local newspapers and make the discovery public
other
Mexican Gray Wolf Dilemma You are a cattle rancher in southern Arizona. The Arizona Game and Fish Agency is planning to reintroduce the Mexican gray wolf into federal land next to your property. Do you:
advise your ranch hands to shoot any wolf sighted
sell your cattle and move to another part of the state without wolves
contact the Arizona Game and Fish Agency and ask for advice
other
Cactus Ferruginous Pygmy Owl Dilemma You are a home builder in Tucson. As more people move into the Tucson area, there is a great demand for new homes, businesses and schools. Business is great, but you've hit a problem. You've been asked to develop a section of desert to build a school. Wildlife biologists claim that the site is prime pygmy-owl habitat. They want to prevent you from building. Do you:
go against the client's wishes and find a new site
ask for another study to count the owls to determine if the owl is really endangered
try to build the school with a minimal effect on the owl habitat even though this may prove impossible
other

You and a friend like to go spelunking. One day, you find an undiscovered cave in southeastern Arizona.

tell them that feeding apple slices to the bear may harm it and ask them to stop

report their behavior to the nearest keeper

not do anything