

Arizona Wildlife Podcast Comprehension Activity

Episode 5: Monitoring Wildlife Populations

Part A: Draw a picture to visually depict the following concepts.

1. Habitat fragmentation

2. Permeable vs. impermeable

Part B: Answer each question below in complete sentences. The answers are not necessarily included in the content. They may require some critical thinking.

1. What is the primary difference between the older, more traditional radio collars and the newer GPS collars?

2. Outside Payson, biologists have determined that the underpasses can successfully lower the elk-vehicle collisions in those specific locations. However, a new impact, called the end-of-fence effect was being discovered. What do you think the end-of-fence effect is and what solution is the Arizona Game and Fish Department researching?

3. How has technology improved wildlife tracking and monitoring?

4. Pretend you are a biologist and you are interested in monitoring populations of different animals. Unfortunately, radio collars are not always the solution. Briefly explain a technique you might use for each of the following:
 - a. Elk
 - b. Desert tortoise
 - c. Butterfly
 - d. Fish