



Predator-Prey Interactions 2

INTRODUCTION

In the previous worksheet you learned that when faced with a predator, African prey species respond with a variety of behaviors. You also learned that one species of prey may show different behaviors when faced with different species of predators. In addition to the different responses a single prey may show to different predators, there may also be differences in the responses that different prey species show when faced with the same species of predator.

In this activity, you will now learn about how three prey species may respond to the presence of the same species of predator. Using videos recorded by camera traps, you will observe and take notes about any differences in the prey's response to hearing the call of a predator. Then you will formulate hypotheses related to why the prey may have responded differently to the same predator.

PROCEDURE

There are 9 videos associated with this worksheet. These videos have three different prey species: **elephant, impala, and warthog**, responding to the calls of three different predator species: **lion, cheetah, and wild dog**.

1. First, choose one predator species that you would like to study, and write its name below:

2. Before watching the videos, make some predictions about how you think the prey species will respond to your predator:

Response from an elephant:

Response from an impala:



Snapshot Safari Student Worksheet



Response from a warthog:

3. Now, watch the three videos of the prey species responding to the call of your predator species, and take notes on what you observe:

Response from an elephant:

Response from an impala:

Response from a warthog:

4. Did all of the prey species respond in the same way to your predator's call?



Snapshot Safari Student Worksheet



5. Why do you think the prey species responded the way they did to your predator's call?

6. Think of some follow-up questions you could ask based on the observations you have made using these videos.