

Materials:
Pencil, Notes, Smart Phone/Tablet

Group Member Names

1) 3)

2) 4)

Secondary 4 Science & Technology

Cecil the Lion: Populations & Communities [Chapter 9]

Video Introduction

<http://www.cbsnews.com/news/cecil-lion-illegall-poached-killed-american-hunter-zimbabwe-groups-say/>



Associated Problem?

*Definition

a pride is a family group of lions that live together.

- 1) What happens to the rest of Cecil's pride* now that he has been killed?

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- 2) What happens to the community of Hwange National Park if humans are killing lions for sport? Specifically, describe the effect on two of the following species: African Wild Dogs, Zebra, Savannah Grass, Elephants, Cheetah, Leopards, Teak trees.

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- 3) In the table below state how a scientist could measure or estimate the size of a population of the following organisms and give a justification for your answers.

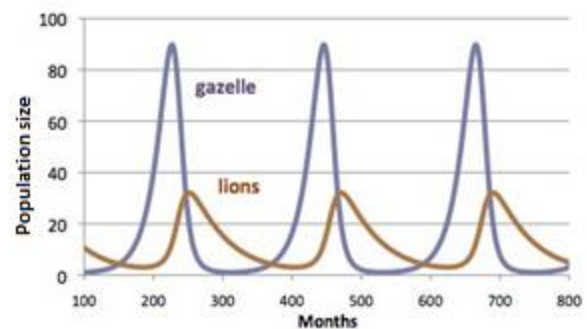
Species	Technique	Justification
Elephant		
Baobab Tree		
Dung Beetle		

- 4) As an ecologist, how would you describe the distribution of the following species?

Elephant	Baobab Tree
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- 5) Under natural conditions the lion and gazelle populations in Hwange National Park follow a biological cycle together.

- A) What type of interaction do these species have?



- B) If new laws and policies are passed to stop the hunting of lions by humans what will happen to the populations of lions and gazelle in the park?

- C) Which group would be affected first: lions or gazelle? Explain why.