This is to review some basic concepts of Ecology. Watch the videos and answer the questions. This should take you no more than 1.5 hours. If you feel that you can answer the questions without watching any or some of the videos, you're welcome to skip any or all of the videos.

If you access this document as hard copy, on your phone go to bozemanscience.com/ap-biology and select the videos to watch by numbers

1.	Ecosystems	video # 047
2.	Cooperative interactions	video # 049
3.	Communities	video # 046
4.	<u>Populations</u>	video # 050
5.	Ecosystems changes	video # 051
6.	<u>Biodiversity</u>	video # 055

Questions:

 What is Ecology, the study of 			OI	Study	uie	юgу,		15	viiai	1.
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2. Describe briefly each level of organization of life from organizm all the way to the biosphere.

- 3. What are biotic and abiotic factors? Name a few abiotic factors.
- 4. What is a producer, and what is a consumer? Give examples of producers and consumers.
- 5. Define food web and food chain? What is the difference between the 2?

6.	What is competition? What are things organisms compete for?
7.	What is symbiosis?
8.	Describe the 3 types of symbiosis and give examples, explaining HOW EACH organism in the relationship is affected.
9.	What is climate, what is weather?
10.	What are some causes of ecosystems changes?
11.	What is Biodiversity? And why is it something to strive for? Why is is good?

12. What is a keystone species? Define and give an example.