

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

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

Questions:

1. What is Ecology, the study of
2. Describe briefly each level of organization of life from organism 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?

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