



## Ecology - Quick Fire Questions

This worksheet is fully supported by a video tutorial; <https://youtu.be/NorHSgd7Yyc>

1. Define ecosystem.
2. Define community.
3. Define interdependence.
4. Define competition.
5. What does an organism need to survive and reproduce?
6. What do different organisms compete for?
7. Define abiotic factor.
8. List eight abiotic factors.
9. How can a change in abiotic factors affect the community?
10. Define biotic factors.
11. How can a change in biotic factors affect the community?
12. List three biotic factors.
13. Define adaptation.
14. Why do animals need to adapt?
15. Define extremophile.
16. Give an example of a plant adaptation.
17. Give an example of an animal adaptation.
18. Where does energy in a food chain come from?
19. Define the term producer.
20. Define the term primary consumer.
21. Define the term secondary consumer.
22. Define the term tertiary consumer.
23. Define the term prey.
24. Define the term biodiversity.
25. Why do we need biodiversity?
26. What is pollution?
27. What impact can pollution have on plants?
28. What impact can pollution have on animals?
29. What impact can humans have on land usage?
30. What is the impact of deforestation?
31. What are the reasons for deforestation?
32. What the consequences of global warming?
33. What gases contribute to global warming?



## Biology only

34. Define the term decay.
35. Define the term decomposition.
36. How can temperature affect the rate of decomposition?
37. How can oxygen affect the rate of decomposition?
38. How can water affect the rate of decomposition?
39. How can decay lead to the production of biogas?
40. Define the term biodiversity.
41. What are the differences between trophic levels?
42. What is the role of a decomposer?
43. How is energy lost between trophic levels?
44. What is food security?
45. How can we increase efficiency of the production?
46. How can microorganisms be cultured for food?