

Unit 5 Study Guide
BIOLOGY

1. Describe the relationship between a parasite and its host? Does the parasite want to kill its host?
2. Describe Mutualism.
3. Which would **most likely** occur in animal populations if abiotic factors no longer existed?
4. A certain species of snake destroys the nests of insect-eating birds. If the snakes have no natural predator, which will **most likely** occur in the community?
5. Which types of factors would have the **least** effect on the carrying capacity of an ecosystem?
6. What is a reason for a population to be over the carrying capacity?
7. Darwin observed many species of finches with different beak shapes on the Galapagos Islands. What is **most likely** decreased if finches have different beak shapes?
8. Which human activity has the greatest impact on the global environment?
9. Which gas is **most** associated with the greenhouse effect?
10. Which human activity will have the greatest impact on the production of acid rain?
11. How does deforestation **most impact** greenhouse gases in the atmosphere?
12. How can the introduction of a non-native species affect an ecosystem?
13. Which statement **best** describes how sickle cell anemia is acquired by a person? (genetically speaking, remember sickle cell is a recessive trait)
14. Which **best** distinguishes B cells from T cells?
15. Which immune response is passed from mother to child through breast feeding?
16. Which **best** represents the primary immune response in humans?
17. An individual can suffer from malnutrition even though he eats food. Which statement **best** explains how this can happen?
18. Which human disorder would be **most** affected by dairy products?

19. Which human condition would be **most** affected by a diet deficient in iron?
20. Which **best** explains why a parasite needs a host cell?
21. Which **best** explains why most medical thermometers now use alcohol instead of mercury?
22. Which is an abiotic factor that has a great effect on an ecosystem?
23. Ten fish are doing well in a 10-gallon fish tank. When five fish are added to the tank later, some fish begin to die. Why did this happen?