

Name: _____ Date: _____ Period: _____

Chapter 40 Test Review

1. What type of pathogen can antibiotics treat?
2. From where does active immunity come?
3. What carries out humoral immunity?
4. What is the injection of a weakened pathogen called?
5. What is the body's first and most important line of defense against disease?
6. What is the name of disease-causing organisms?
7. Killer T cells attack pathogens in what kind of immunity?
8. What type of immune cell does HIV destroy?
9. An opening in the skin is a potential entrance for what?
10. What happens during an allergic reaction?
11. What triggers an immune response?
12. Why do people with AIDS die from sicknesses such as colds and flu?
13. What are the two divisions of the nervous system?
14. Which neuron type travels from the brain to the body?
15. What is a stable internal environment?
16. What mechanism is used to maintain a stable internal environment?
17. What is the name of the chemical that travels across a synapse after an electrical impulse travels down a neuron?
18. Which part of Darwin's theory is represented when lions prey on antelope and some escape?
19. Which characteristic of a population best explains why some species survive while others do not?
20. Why do lethal recessive alleles remain in a population?
21. Which of Mendel's laws does a dihybrid cross prove?
22. What is the chance of a male child during fertilization?
23. How does genetic drift affect biodiversity?
24. Name one positive thing that results from mass extinctions.
25. What stage of protein synthesis occurs at the ribosome?
26. During transcription what base replaces thymine on the duplicated strand?
27. What type of mutation will shorten the DNA strand and change every amino acid after it?
28. What varies among proteins resulting in different functions?
29. Where do the instructions to make proteins originate?
30. Which bases do DNA and RNA share?
31. If the DNA is the following, what is the replicated strand? ACTAAGCATG
32. What two organisms are carriers of recombinant DNA?
33. What tool is used to cut DNA into fragments?
34. What does natural selection act directly on?
35. How are lethal alleles maintained in a population?