

Organ System Study Guide

Describe the function of each of the following body systems

| | |
|-------------------------|--|
| 1. Skeletal | |
| 2. Muscular | |
| 3. Integumentary | |
| 4. Cardiovascular | |
| 5. Respiratory | |
| 6. Urinary | |
| 7. Digestive | |
| 8. Excretory | |
| 9. Endocrine | |
| 10. Nervous | |
| 11. Male Reproductive | |
| 12. Female Reproductive | |

Name the organs and parts of the following body systems.

| | |
|-------------------------|--|
| 13. Skeletal | |
| 14. Muscular | |
| 15. Integumentary | |
| 16. Cardiovascular | |
| 17. Respiratory | |
| 18. Urinary | |
| 19. Digestive | |
| 20. Excretory | |
| 21. Endocrine | |
| 22. Nervous | |
| 23. Male Reproductive | |
| 24. Female Reproductive | |

25. Describe the three types of muscle.

26. Describe the main parts of a bone.

27. Explain how the integumentary, muscular, and skeletal systems work together in your body.

28. Explain how the cardiovascular and respiratory systems work together in your body to keep you alive.

29. Describe the path of oxygen when you breathe it in and throughout your body.

30. Compare and contrast the 3 types of blood vessels in your body.

31. What are the chambers and functions of the heart?

| Chamber | What happens in each chamber (type of blood, where is it going/coming from?) |
|------------------------|---|
| <i>Right Atrium</i> | |
| <i>Right Ventricle</i> | |
| <i>Left Atrium</i> | |
| <i>Left Ventricle</i> | |

32. What are the differences between the nervous and the endocrine systems?

33. What is a neuron?

34. What is a hormone?

35. Give three examples of hormones and their functions.

36. Describe the path food takes when you eat, digest, and eliminate it. List all of the organs and their functions in the entire process.

37. What are the functions of the small and large intestine?

SMALL INTESTINE:

LARGE INTESTINE:

38. How does blood in your body get cleaned? Describe the entire process.

39. Describe how humans reproduce. Use the following terms: sperm, egg, fertilization, zygote, implantation, uterus, fallopian tube, ovaries.

40. How does pasteurization, vaccines, and antibiotics help to fight invading pathogens?

41. Explain why antibiotics are not effective against viruses.

42. Describe the four main challenges to the Immune System.

43. What are the six types nutrients that are essential in a human's diet? Explain them.