1. Know the functions and labels of ALL diagrams in packet provided
2. Which muscle is used to flex the knee?
3. List the functions of the muscle system.
4. What is muscle fatigue?
5. What causes muscle fatigue?
6. Describe the structures and functions of the three types of muscle cells.
7. What muscles are responsible for moving the ankle and in which direction?
8. Where do neurotransmitters originate?
9. What muscle flexes the thigh?
10. What is the sarcoplasmic reticulum, where is it located, and what does it do?
11. What is the action of the orbicularis oris?
12. Describe the actions of calcium during muscle contraction.
13. What is the calcaneal tendon?
14. Identify the insertion, origin, and action of the gluteus maximus.
15. What is a sacromere?
16. What muscle controls the wrinkles of the forhead?
17. What makes the skeletal muscle cell appear striated?
18. What is an isotonic contraction?
19. What type of tissue surrounds individual muscle cells? What is it called?
20. Identify the muscles involved in moving the elbow and their actions.
21. What structure makes thin filaments? Thick filaments?
22. Identify the insertion, origin, and action of the trapezius muscle.
23. Define prime mover, fixator, antagonist, and synergist.
24. What muscle is used in whistling?
25. What does creatine phosphate do?
26. What is a motor unit?
27. What is acetylcholine? What does it do?
28. What action contracts a muscle?
29. Describe the action of myosin bridges during muscle contraction.
30. What is the job of HCl produced by the stomach? What cells produce this HCl?
31. What does amylase do and where is it produced?
32. What is the purpose of ingesting cellulose?
33. What structure limits the movement of the tongue?
34. List and describe the functions of the digestive system.
35. What structure absorbs most of the nutrients from the food ingested?
36. What are the dimensions of the stomach?
37. What organs make up the alimentary canal in order?
38. What are proteins broken down to?
39. Describe the muscle structure of the stomach and its functions.
40. What type of cells make up the lining of the esophagus? Stomach? Small intestine?
41. What are anabolism and catabolism?
42. What is the function of peyer’s patches and where are they located?
43. Identify the 4 types of teeth and their functions. Be able to identify a particular tooth.
44. What are the four layers of the GI tract and the function of each?
45. List and describe the functions of the liver.
46. Where is the hypatic portal located and what does it do?
47. What are the functions of secretin and cholecystokinin and where are they produced?
48. Identify the types of enzymes in pancreatic juices and what each one does.
49. What structure regulates the amount of food entering the small intestine?
50. What are minerals?