

Ch 36 & 37 Study Guide

Exam MON/TUES

Directions: Answer the following using the resources given to you for chapter 36 and chapter 37. This includes quizlets, notes, nervous system station notes and questions (Google Classroom), diagrams, etc.

1. Central vs. peripheral nervous system
2. Somatic vs. autonomic nervous system
3. Sympathetic vs. parasympathetic nervous system
4. Sensory neurons vs. interneurons vs. motor neurons
5. Describe the neural pathway of a reflex.
6. What direction does a neural impulse travel in a neuron?
7. What is a neurotransmitter? How do drugs affect them?
8. What happens at a synapse?
9. Stimulant vs. depressant
10. Withdrawal vs. addiction
11. List the 3 major parts of the brain. Describe the differences between them.
12. What is the function of the medulla oblongata?
13. List the sequence of mammalian respiration (starting with nostrils).
14. What is the waste gas of cellular respiration?
15. Describe how gas exchange occurs from the alveoli into the blood stream.
16. Relate the diaphragm to inhaling and exhaling.
17. What is hemoglobin?
18. Arteries vs. veins vs. capillaries
19. Describe the 4 components of blood.
20. Atrium vs. ventricle
21. Why does blood need to be pumped from the heart to the lungs before it gets pumped to the rest of the body?
22. In your own words, describe the journey of a red blood cell starting from the vena cava. **HINT: Use the arrows you drew on your heart diagram**