

## Study Guide

### Nervous system

1. What is a neuron?
  2. How does an impulse travel from one cell to another?
  3. What is a reflex?
  4. What organ is not used in a reflex arc such as the knee-jerk reflex?
  5. Definition of a dendrite?
  6. What are neurotransmitters?
  7. What is a synapse?
  8. What is an axon?
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9. Draw and Label the 3 parts of a neuron.
  10. What are the 3 types of neurons?
  11. What are the 3 parts of a neuron?
  12. Where is the nucleus found in a neuron?
  13. What does a myelin sheath do?
  14. Why is the impulse said to be electrochemical?
  15. What are the two main divisions of the nervous system?
  16. Which division is only made up of the brain and the spinal cord?

### Immune system

1. What are nonspecific defenses and why are they important?
2. What is an antibody? What is an antigen?
3. What does HIV do to the immune system?
4. What is immunity?
5. What is an infectious disease.?
6. What is a vector?
7. What is inflammation?
8. How can you get HIV from another person and what does HIV do?
9. What is a pathogen?
10. What is a vaccine?
11. What is acquired immunity?
12. What medical treatment is there for killing bacteria?
13. What are two major types (categories) of white blood cells?
14. What is the function of white blood cells?
15. Why is a virus considered non-living? What is a host?
16. Describe antibiotics and antibiotic resistance.