Biology II

Exam III Study Guide

1. Vocab Terms
2. Chapter 42
   1. What is gas exchange? Type of gases?
   2. Gastrovascular Cavities
      1. Why are they used?
      2. Types of organisms?
   3. Circulatory System
      1. Make-up
      2. Open vs. Closed
      3. Cardiovascular system
         1. Types of vessels?
      4. Single circulation
         1. What is it?
         2. Types of organisms?
      5. Double circulation
         1. What is it?
         2. Types of organisms?
      6. Chambers in the heart
         1. Amphibians?
         2. Reptiles?
         3. Mammals and Birds?
      7. Lymphatic system
         1. Role?
      8. Blood composition and Function
         1. Red blood cells?
         2. White blood cells?
         3. Platelets?
         4. Plasma?
   4. Gas Exchange
      1. Pressure?
      2. Gills?
      3. Tracheal systems?
      4. Lungs?
         1. Pathway of air?
      5. How do organisms move oxygen into lungs?
         1. Birds?
         2. Amphibians?
         3. Mammals?
3. Chapter 44
   1. Osmoregulation
      1. What is it?
      2. Osmoconformers?
      3. Osmoregulators
   2. Osmoregulation
      1. marine animals?
      2. fresh water animals?
      3. land animals?
   3. Excretion
      1. Nitrogenous waste?
      2. Production of:
         1. Ammonia
         2. Urea
         3. Uric acid
4. Chapter 46
   1. Types of reproduction
      1. Advantages/Disadvantages?
   2. Internal/External Fertilization
      1. Advantages/Disadvantages?
5. Chapter 49
   1. Neuron
      1. Structure?
   2. Nerve net?
   3. Nerve?
   4. Ganglia
   5. CNS/PNS?