

Final Exam Review Questions

1. How is ventilation controlled or regulated?
2. Explain how external and internal respiration occurs; be sure to include applicable gas laws in your discussion.
3. Discuss the digestion of carbohydrates, proteins and lipids; explaining where digestion occurs, the major enzymes used and differences in absorption.
4. Compare and contrast the cephalic, gastric and intestinal phases of digestion.
5. Explain how the nephron is able to maintain the volume and composition of the ECF. Include the control of glomerular filtration as well as the concept of renal threshold.
6. Describe or diagram the effects of renin when it is released by the macula densa cells.
7. How is gender determined?
8. What is the significance of meiosis? There is more than one answer for this!
9. Go over some acid/base imbalance issues.

REMEMBER! THERE WILL BE NO ESSAY QUESTIONS ON THIS EXAM, THESE ARE SIMPLY SOME OF THE "BIG PICTURE" ITEMS FROM THIS SERIES OF LECTURES.