

121 Exam IV
 Answer key for 2002 exam

1. D
2. B
3. C (did not occur in 2002)
4. C
5. A & D
6. D
7. A
8. B
9. B
10. B
11. B
12. D

13. Proximal tubule

14. Collecting duct

15. Proximal tubule

16. Increased blood pressure (ok: increased blood volume) ANF = ANP

17. Inhibits vasopressin release (or reduces renin or ↑ GFR or ↓ aldosterone

18. Distal tubule (or collecting duct) or ↑ NaCl

19. Vasoconstriction (or ↑ blood pressure or ↑ thirst) or ↑ H₂O excretion

20. ~ Half

21. ~~Chymotrypsin~~ Pepsin: Amino Acids

22. Salivary Amylase Glucose

23. Lactase Galactose

24.

25. Lipase Fatty Acids

Note:

ANF = ANP

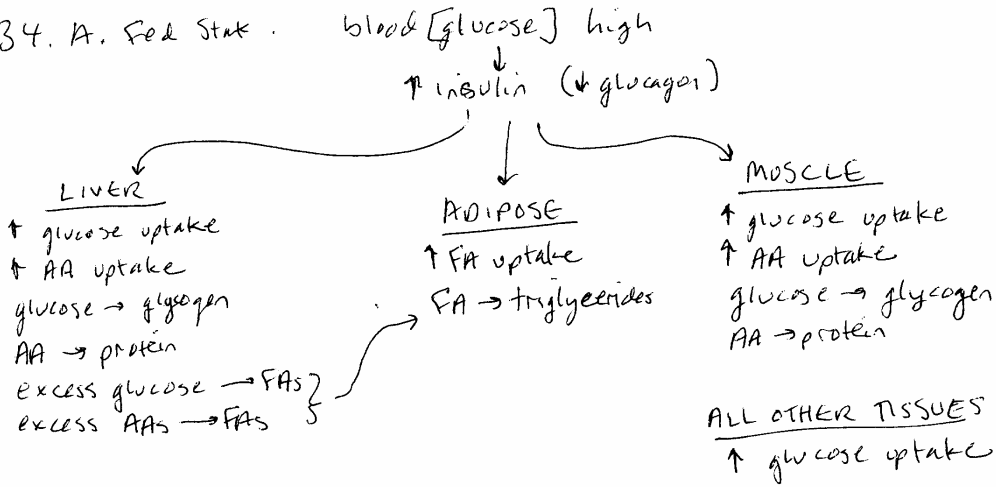
or ↑ aldosterone
 or ↑ blood volume
 or maintain osmolarity

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26. HCl - activate pepsin, kill microorganisms, digestively active
or Pepsinogen - activated to pepsin by HCl, then initiates protein digestion to peptides.
or Mucus - protects stomach endothelium from acidic contents of stomach lumen
or Intrinsic factor - allows for later absorption of vitamin B-12
27. Storage of glycogen, fats, iron
or Detoxification. conversion of toxins into ionic forms that can be eliminated by urinary system
or Synthesis of plasma proteins
or Excretion of ~~fat~~ cholesterol and bile pigments from break-down of hemoglobin
or Metabolic processing of nutrients from digestive system
28. hormone = CCK
decrease
29. Fat secretion of pancreatic enzymes
Acid
30. Feeding Heat
31. Metabolic environmental
Environmental
32. Glucagon

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34. A. Fed State



34. B. Fasting State: blood [glucose] very low

