

Study Guide C24 Unit Four (2023-11-28)
Water, Electrolyte, and Acid-Base Balance

- 1 How much water is gained and lost each day? (What is water balance volume?)
- 2 What is not a physiologic buffer?
- 3 What percent of fluid is in the intracellular space?
- 4 What is not an "inseparable components" that must be controlled by homeostatic mechanisms?
- 5 Acidosis occurs if the pH is above 7.45. T/F
- 6 Where is the thirst center located?
- 7 What will happen if the CO₂ concentration in the blood increases?
- 8 What is the normal blood pH?
- 9 What is the major extracellular cation?
- 10 What stimulates thirst?
- 11 After a change in blood pH, what buffer system responds fastest to a change in pH?
- 12 What is a buffer?
- 13 The kidney regulates fluid intake by measuring blood pressure? True
- 14 What receptors in the cerebral cortex produce the conscious sense of thirst?
- 15 What will compensate for a pH imbalance caused by metabolism?
- 16 Elevated blood pressure will inhibit the renin-angiotensin-aldosterone mechanism. T/F