

Week 5 Kahoot

1. What is most abundant cation of the ECF?
 - a) **HPO₄**
 - b) K
 - c) Na
 - d) Ca
2. Which hormone is released in response to increased water loss from the kidney?
 - a) **ADH**
 - b) Aldosterone
 - c) ANP
 - d) Angiotensin II
3. What buffer system results from the dissolving of carbon dioxide into water?
 - a) Phosphate buffer system
 - b) Protein buffer system
 - c) Hemoglobin buffer system
 - d) **Carbonic acid-bicarbonate buffer system**
4. During renal compensation for acidosis, when the kidney secretes H⁺ ions, what chemical is re-absorbed?
 - a) **Bicarbonate**
 - b) Organic phosphate
 - c) Oxygen
 - d) Water
5. What is the physiological compensation for metabolic acidosis?
 - a) Slow, shallow breathing
 - b) H ion retention by the kidneys
 - c) **Rapid inhalation and exhalation**
 - d) Increase HCO₃ excretion by the kidneys
6. The daily gain and loss of water is around
 - a) 1000 ml
 - b) **2500 ml**
 - c) 4500 ml