Lecture Quiz Sample

1. This reaction below is _____.
   
   \[ \text{ATP} + \text{H}_2\text{O} \rightarrow \text{ADP} + \text{Pi} + \text{E} \]
   
   a. Phosphorylation
   b. Hydrolysis
   c. Dephosphorylation
   d. Condensation
   e. Both b and c

2. During glycolysis, ATP is produced by _______.
   
   a. Substrate-level of phosphorylation
   b. Oxidative phosphorylation

3. The process that links electron transport to ATP synthesis is called _____.
   
   a. Chemiosmotic coupling.
   b. Beta oxidation.
   c. Feedback inhibition.
   d. Respiration.
   e. Fermentation.

4. If \( E_s = -94 \text{ mV}, V_m = -100 \text{ mV}, \)
   
   a. The chemical driving force drives potassium ions outward.
   b. The electrical driving force favors potassium inward.
   c. The electrical driving force is larger than the chemical driving force.
   d. The electrochemical driving force pushed the potassium ions inward.
   e. All of these are correct.

5. Sodium ions travel through apical membrane _______
   
   b. Active transport.