

CELL TRANSPORT & METABOLISM EXAM OVERVIEW

Multiple Choice ~ 35 marks

Short Answer Activities ~ 35 marks

- Define (ex. hypotonic, physiology, ETC)
- Plasma Membrane Structure & how it relates to permeability)
- Modes of transport (7) and what is transported by each
- Chemical Equation of Photosynthesis / Cellular Respiration
- Compare and contrast Photosynthesis to Cellular Respiration
- Photosynthesis
 - Phases, Site of Each Phase and Primary Purpose
- Respiration
 - Anaerobic (Glycolysis) vs Aerobic
 - Stages, Site of Each Stage, and Primary Purpose
- Purpose and Importance of:
 - Carrier Molecules
 - Electron Transport Chain
- Energy transformation, release and its importance to live on Earth
 - Solar → Chemical → ATP
 - ATP → ADP + P + NRG