Honors Biology Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
NDHS Per: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

**Photosynthesis Test Study Guide**

**Test Format:**Multiple Choice
Short Answer
Essay (Light Dependent Reaction)
Lab Based Questions

**Day 1:**Chloroplast Structure: Know where the different steps of photosynthesis take place in the chloroplast
Photosynthesis Equation: Know where the reactants are consumed and where the products are made in the chloroplast and in which steps of the process
Importance of Photosynthesis
**Day 2:**Parts of Thylakoid Membrane
 Pigments – color and role
 Electron Transport Chain
 Transmembranal Proteins
 NADP+ Reductase
 ATP Synthase

Light Dependent Reaction **(THIS IS YOUR ESSAY)**

**Day 3:**Light Independent Reaction
Important Participants: NADP+/NADPH, ATP, Rubisco
 Transport in Plants:
 - role of Xylem
 - role of Phloem

Internal Structure of a Leaf: mesophyll (palisade & spongy), air space, vascular bundle (xylem and phloem), stomata and guard cell, epidermis, cuticle
Process of Transpiration: importance of cohesion and adhesion
Factors that affect Transpiration:

**Day 4:**Review