

Topic 8 Metabolism, Cell Respiration, Photosynthesis

Questions to include in the nice notebook: Answer in sentences, keep reasonably short.

- Explain the concept of activation energy
- How does competitive inhibition work?
- How does non-competitive inhibition work?
- What is end-product inhibition?
- Explain oxidation and reduction
- Summarize Glycolysis
- Summarize the Krebs's Cycle
- Explain oxidative phosphorylation
- Explain the Light-dependent reaction
- How are oxidative phosphorylation and the Light-dependent reaction similar and different?
- Explain the light independent reaction

Drawings to include in the nice notebook:

- Energy changes in chemical reactions (p 99)
- Enzyme inhibition diagrams
- Drawing of Glycolysis, Link Reaction, Krebs's Cycle
- Drawing of Mitochondria
- Drawing of Chloroplast
- Drawing of the light dependent reaction (p 106), but much simplified.
- Drawing of chemiosmosis (p 104), but much simplified. Note: the two drawings are similar.