

# ***PHOTOSYNTHESIS GUIDED READING (1F)***

## ***QUESTIONS 5.6 - 5.10***

- What is the overall equation for photosynthesis? List the reactants and the products of one complete photosynthesis cycle.
- Where do plants get their energy in order to complete Photosynthesis?
- What wavelengths of light can plants absorb? What wavelengths of light do plants reflect?
- Describe the relationship and difference between these terms: chloroplast, chlorophyll, thylakoid, grana, and stroma.
- Where does photosynthesis take place in the plant? What part of the plant is responsible for capturing the light energy from the sun?
- Why do leaves change color from green to orange, yellow, and red in the Fall?
- Compare the light dependent and light independent reactions in terms of **major purpose**. List the major reactants and products for both sets of reactions.
- Compare photosystem II and photosystem I of the light dependent reactions in terms of **major purpose**. List the major reactants and products for both sets of reactions.