Chapter 22: The Light Reactions

1. What is a phototroph? Can you give a couple of examples?

2. The parts and functions of the chloroplast.

3. With regard to the photosynthetic electron transport chain, where do the electrons come from and where do they end up?

4. What are the parts and functions of photosystem I and photosystem II (see Fig. 22.11 and 22.16)?

5. Can you describe how chlorophyll harvests the energy of light?

6. Describe a reaction center.

7. Can you describe how ATP is synthesized during photosynthetic electron transport.

8. You should know the “Z-diagram” (see Fig. 22.20).

9. Can you describe cyclic electron flow and its purpose?