

**SECTION 6-1 REVIEW**

# THE LIGHT REACTIONS

**VOCABULARY REVIEW** Explain the relationship between the terms in each of the following pairs of terms.

1. granum, stroma \_\_\_\_\_  
\_\_\_\_\_
2. chlorophyll *a*, carotenoids \_\_\_\_\_  
\_\_\_\_\_
3. chemiosmosis, ATP synthase \_\_\_\_\_  
\_\_\_\_\_

**MULTIPLE CHOICE** Write the correct letter in the blank.

- \_\_\_\_\_ 1. Chlorophyll *a*
  - a. absorbs mostly orange-red and blue-violet light.
  - b. absorbs mostly green light.
  - c. is an accessory pigment.
  - d. is responsible for the red color of many autumn leaves.
- \_\_\_\_\_ 2. The photosystems and electron transport chains are located in the
  - a. outer chloroplast membrane.
  - b. inner chloroplast membrane.
  - c. thylakoid membrane.
  - d. stroma.
- \_\_\_\_\_ 3. Both photosystem I and photosystem II
  - a. receive electrons from other photosystems.
  - b. donate electrons to a transport chain that generates NADPH.
  - c. donate protons to each other.
  - d. contain chlorophyll *a* molecules.
- \_\_\_\_\_ 4. Water participates directly in the light reactions of photosynthesis by
  - a. donating electrons to NADPH.
  - b. donating electrons to photosystem II.
  - c. accepting electrons from the electron transport chains.
  - d. accepting electrons from ADP.
- \_\_\_\_\_ 5. The energy that is used to establish the proton gradient across the thylakoid membrane comes from the
  - a. synthesis of ATP.
  - b. synthesis of NADPH.
  - c. passage of electrons along the electron transport chain of photosystem II.
  - d. splitting of water.

# Light Reactions Modern Biology Study Guide Answers

**James Hall Zimmerman**



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Modern Biology James Howard Otto, 1985      **Teacher's Guide to the Modern Biology Program** James Howard Otto, Albert Towle, Elizabeth H. Crider, 1965      **Modern Biology** Towle, Albert Towle, 1991      **Study Guide** George Karleskint, 1991      **Readers' Guide to Periodical Literature**, 1913      **College Biology II** James Hall Zimmerman, 1963

A Guide to the Soviet Curriculum James Muckle, 2024-11-26 A Guide to the Soviet Curriculum 1988 surveys the syllabuses for schoolchildren in the Soviet education system following the reforms of 1984 Every subject in the common timetable is covered and teaching methods hopes for the future and continuing controversies are discussed All this is set in the broader context of curriculum philosophy and of the social and moral purposes of Soviet education the implicit or hidden curriculum is also considered      *Resources in Education*, 1984      *NEET 2020 Biology Guide - 7th Edition* Disha Experts, The thoroughly revised updated 7th Edition of NEET 2020 Biology Must for AIIMS JIPMER is developed on the objective pattern following the chapter plan as per the NCERT books of class 11 and 12 The new edition is empowered with an additional exercise which contains Exemplar past 7 year NEET 2013 2019 questions Concept Maps have been added for each chapter The book contains 38 chapters in all as per the NCERT books Each chapter provides exhaustive theory followed by a set of 2 exercises for practice The first exercise is a basic exercise whereas the second exercise is advanced The solutions to all the questions have been provided immediately at the end of each chapter The complete book has been aligned as per the chapter flow of NCERT class 11 12 books      Science John Michels (Journalist), 1955      *NEET 2019 Biology Guide - 6th Edition* Disha Experts, The thoroughly revised updated 5th Edition of NEET 2018 Biology Must for AIIMS JIPMER is developed on the objective pattern following the chapter plan as per the NCERT books of class 11 and 12 The new edition is empowered with an additional exercise which contains Exemplar past 5 year NEET 2013 2017 questions Concept Maps have been added for each chapter The book contains 38 chapters in all as per the NCERT books Each chapter provides exhaustive theory followed by a set of 2 exercises for practice The first exercise is a basic exercise whereas the second exercise is advanced The solutions to all the questions have been provided immediately at the end of each chapter The complete book has been aligned as per the chapter flow of NCERT class 11 12 books      Scientific and Technical Aerospace Reports, 1988

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the Bulletin s iconic Doomsday Clock stimulates solutions for a safer world

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