

# Natural Sciences

# Biology Chapter

# 8

Author: Michael Sag

Copyright (c) 2014-2015

# Create, Share, and Discover Online Quizzes.

QuizOver.com is an intuitive and powerful online quiz creator. [learn more](#)

Join QuizOver.com



## How to Analyze Stocks

By Yasser Ibrahim

1 month ago  
12 Responses

© iStock: Thomson Moter



## Pre Employment English

By Katharina jennifer N

5 months ago  
19 Responses

© iStock: Albin



## Lean Startup Quiz

By Yasser Ibrahim

2 months ago  
16 Responses

© iStock: Gekwini Okun

Powered by QuizOver.com

The Leading Online Quiz & Exam Creator

Create, Share and Discover Quizzes & Exams

<http://www.quizover.com>

## Disclaimer

All services and content of QuizOver.com are provided under QuizOver.com terms of use on an "as is" basis, without warranty of any kind, either expressed or implied, including, without limitation, warranties that the provided services and content are free of defects, merchantable, fit for a particular purpose or non-infringing.

The entire risk as to the quality and performance of the provided services and content is with you.

In no event shall QuizOver.com be liable for any damages whatsoever arising out of or in connection with the use or performance of the services.

Should any provided services and content prove defective in any respect, you (not the initial developer, author or any other contributor) assume the cost of any necessary servicing, repair or correction.

This disclaimer of warranty constitutes an essential part of these "terms of use".

No use of any services and content of QuizOver.com is authorized hereunder except under this disclaimer.

The detailed and up to date "terms of use" of QuizOver.com can be found under:

<http://www.QuizOver.com/public/termsOfUse.xhtml>

# eBook Content License

Creative Commons License

Attribution-NonCommercial-NoDerivs 3.0 Unported (CC BY-NC-ND 3.0)

<http://creativecommons.org/licenses/by-nc-nd/3.0/>

You are free to:

Share: copy and redistribute the material in any medium or format

The licensor cannot revoke these freedoms as long as you follow the license terms.

Under the following terms:

**Attribution:** You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.

**NonCommercial:** You may not use the material for commercial purposes.

**NoDerivatives:** If you remix, transform, or build upon the material, you may not distribute the modified material.

**No additional restrictions:** You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits.

## 4. Chapter: Biology Chapter 8

### 1. Biology Chapter 8 Questions

#### 4.1.1. Because it is so necessary in photosynthesis, one can say that the ...

Author: Michael Sag

Because it is so necessary in photosynthesis, one can say that the ultimate ORIGINAL source of energy for all living things on Earth is

Please choose only one answer:

- Glucose
- The Sun
- Water
- Carbon Dioxide

Check the answer of this question online at QuizOver.com:

Question: [Because it is so necessary in photosynthesis Michael Sag Chapter](#)

Flashcards:

<http://www.quizover.com/flashcards/question-because-it-is-so-necessary-in-photosynthesis-michael-sag-chap?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-because-it-is-so-necessary-in-photosynthesis-michael-sag-chap?pdf=1505>

#### 4.1.2. Which part of photosynthesis is MOST closely associated with reacti...

Author: Michael Sag

Which part of photosynthesis is MOST closely associated with reaction in which carbon dioxide in the air is stored in a molecule of glucose?

Please choose only one answer:

- Light Reaction only
- Calvin Cycle only
- This occurs in both the Light Reaction and the Calvin Cycle
- This docent occur in either reaction

Check the answer of this question online at QuizOver.com:

Question: [Which part of photosynthesis is MOST closely Michael Sag Chapter](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-part-of-photosynthesis-is-most-closely-michael-sag-chap?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-part-of-photosynthesis-is-most-closely-michael-sag-chap?pdf=1505>

### 4.1.3. Plants gather the sun's energy with specific light-absorbing molecu...

Author: Michael Sag

Plants gather the sun's energy with specific light-absorbing molecules called

Please choose only one answer:

- Pigments
- Thylakoids
- Glucose
- Grana

Check the answer of this question online at QuizOver.com:

Question: [Plants gather the sun's energy with specific Michael Sag Chapter](#)

Flashcards:

<http://www.quizover.com/flashcards/question-plants-gather-the-sun-s-energy-with-specific-michael-sag-chap?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-plants-gather-the-sun-s-energy-with-specific-michael-sag-chap?pdf=1505>



#### 4.1.4. What is a product of the Calvin cycle?

Author: Michael Sag

What is a product of the Calvin cycle?

Please choose only one answer:

- Oxygen Gas
- ATP
- Sugar
- Carbon Dioxide Gas

Check the answer of this question online at QuizOver.com:

Question: [What is a product of the Calvin cycle Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-what-is-a-product-of-the-calvin-cycle-michael-sag-chapter-8-q?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-what-is-a-product-of-the-calvin-cycle-michael-sag-chapter-8-q?pdf=1505>

#### 4.1.5. Plants take in energy by absorbing

Author: Michael Sag

Plants take in energy by absorbing

Please choose only one answer:

- Sugars
- Chlorophyll A
- Heat
- Light Energy

Check the answer of this question online at QuizOver.com:

Question: [Plants take in energy by absorbing Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-plants-take-in-energy-by-absorbing-michael-sag-chapter-8-ques?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-plants-take-in-energy-by-absorbing-michael-sag-chapter-8-ques?pdf=1505>

#### 4.1.6. The role of chlorophyll in photosynthesis is to

Author: Michael Sag

The role of chlorophyll in photosynthesis is to

Please choose only one answer:

- Absorb Light Energy
- Do nothing; chlorophyll is unimportant in photosynthesis
- Split water molecules
- All of the above

Check the answer of this question online at QuizOver.com:

Question: [The role of chlorophyll in photosynthesis is Michael Sag Chapter](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-role-of-chlorophyll-in-photosynthesis-is-michael-sag-chap?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-role-of-chlorophyll-in-photosynthesis-is-michael-sag-chap?pdf=1505>

#### 4.1.7. Where does the first part of the light reaction take place?

Author: Michael Sag

Where does the first part of the light reaction take place?

Please choose only one answer:

- in the Stroma
- Outside the Chloroplasts
- in the Thylakoid Membranes
- Only in Chlorophyll Molecules

Check the answer of this question online at QuizOver.com:

Question: [Where does the first part of the light reaction Michael Chapter 8](#)

Flashcards:

<http://www.quizover.com/flashcards/question-where-does-the-first-part-of-the-light-reaction-michael-chapt?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-where-does-the-first-part-of-the-light-reaction-michael-chapt?pdf=1505>

#### 4.1.8. The energy used in the Calvin cycle for the production of carbohydr...

Author: Michael Sag

The energy used in the Calvin cycle for the production of carbohydrate molecules comes from

Please choose only one answer:

- ATP made during cellular respiration
- The Krebs Cycle
- ATP made in the light reactions of photosynthesis
- CO<sub>2</sub> absorbed during the last stage of photosynthesis

Check the answer of this question online at QuizOver.com:

Question: [The energy used in the Calvin cycle for the Michael Sag Chapter 8](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-energy-used-in-the-calvin-cycle-for-the-michael-sag-chapt?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-energy-used-in-the-calvin-cycle-for-the-michael-sag-chapt?pdf=1505>

#### 4.1.9. Products of the light reactions of photosynthesis that provide ener...

Author: Michael Sag

Products of the light reactions of photosynthesis that provide energy for the Calvin cycle are

Please choose only one answer:

- Oxygen and ATP
- Water and Oxygen
- ATP and NADPH
- Oxygen and NADPH

Check the answer of this question online at QuizOver.com:

Question: [Products of the light reactions of photosynthesis Michael Chapter](#)

Flashcards:

<http://www.quizover.com/flashcards/question-products-of-the-light-reactions-of-photosynthesis-michael-cha?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-products-of-the-light-reactions-of-photosynthesis-michael-cha?pdf=1505>

#### 4.1.10. Which region of the visible spectrum is not absorbed well by chloro...

Author: Michael Sag

Which region of the visible spectrum is not absorbed well by chlorophyll?

Please choose only one answer:

- Blue
- Violet
- Green
- Red

Check the answer of this question online at QuizOver.com:

Question: [Which region of the visible spectrum is not Michael Sag Chapter 8](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-region-of-the-visible-spectrum-is-not-michael-sag-chapt?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-region-of-the-visible-spectrum-is-not-michael-sag-chapt?pdf=1505>

#### 4.1.11. Heterotrophs are organisms that can

Author: Michael Sag

Heterotrophs are organisms that can

Please choose only one answer:

- Produce food from inorganic molecules and sunlight
- Survive without energy
- Consume other organisms for energy
- Carry out either photosynthesis or chemosynthesis

Check the answer of this question online at QuizOver.com:

Question: [Heterotrophs are organisms that can Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-heterotrophs-are-organisms-that-can-michael-sag-chapter-8-que?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-heterotrophs-are-organisms-that-can-michael-sag-chapter-8-que?pdf=1505>



#### 4.1.12. Which process is the source of most of the oxygen in the atmosphere?

Author: Michael Sag

Which process is the source of most of the oxygen in the atmosphere?

Please choose only one answer:

- Light Reaction
- Calvin Cycle
- Cell Division
- None of the above

Check the answer of this question online at QuizOver.com:

Question: [Which process is the source of most of the Michael Sag Chapter 8](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-process-is-the-source-of-most-of-the-michael-sag-chapte?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-process-is-the-source-of-most-of-the-michael-sag-chapte?pdf=1505>

#### 4.1.13. All organisms require energy to carry out life processes.

Author: Michael Sag

All organisms require energy to carry out life processes.

Please choose only one answer:

- True
- False

Check the answer of this question online at QuizOver.com:

Question: [All organisms require energy to carry out Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-all-organisms-require-energy-to-carry-out-michael-sag-chapter?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-all-organisms-require-energy-to-carry-out-michael-sag-chapter?pdf=1505>

#### 4.1.14. During photosynthesis, the series of reactions that create the suga...

Author: Michael Sag

During photosynthesis, the series of reactions that create the sugars (glucose) needed for energy and growth is called

Please choose only one answer:

- The Calvin Cycle
- The Krebs Cycle
- The Light Reactions
- The ETC

Check the answer of this question online at QuizOver.com:

Question: [During photosynthesis the series of reactions Michael Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-during-photosynthesis-the-series-of-reactions-michael-chapter?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-during-photosynthesis-the-series-of-reactions-michael-chapter?pdf=1505>

#### 4.1.15. The process whereby plants capture energy and make sugar is known as

Author: Michael Sag

The process whereby plants capture energy and make sugar is known as

Please choose only one answer:

- Homeostasis
- Evolution
- Photosynthesis
- Development

Check the answer of this question online at QuizOver.com:

Question: [The process whereby plants capture energy Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-process-whereby-plants-capture-energy-michael-sag-chapter?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-process-whereby-plants-capture-energy-michael-sag-chapter?pdf=1505>

#### 4.1.16. What are the products of the light reactions?

Author: Michael Sag

What are the products of the light reactions?

Please choose only one answer:

- Oxygen
- ATP
- NADPH
- All of the above

Check the answer of this question online at QuizOver.com:

Question: [What are the products of the light reactions Michael Sag Chapter](#)

Flashcards:

<http://www.quizover.com/flashcards/question-what-are-the-products-of-the-light-reactions-michael-sag-chap?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-what-are-the-products-of-the-light-reactions-michael-sag-chap?pdf=1505>

#### 4.1.17. The electrons of photosystem I

Author: Michael Sag

The electrons of photosystem I

Please choose only one answer:

- Are eventually replaced by electrons from Photosystem II
- Attach to eater molecules during the light reactions
- Are at the end of the ETC
- Are absorbed by oxygen molecules to form water

Check the answer of this question online at QuizOver.com:

Question: [The electrons of photosystem I Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-electrons-of-photosystem-i-michael-sag-chapter-8-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-electrons-of-photosystem-i-michael-sag-chapter-8-quest?pdf=1505>

#### 4.1.18. Photosynthesis is a process that takes place in autotrophs.

Author: Michael Sag

Photosynthesis is a process that takes place in autotrophs.

Please choose only one answer:

- True
- False

Check the answer of this question online at QuizOver.com:

Question: [Photosynthesis is a process that takes place Michael Sag Chapter](#)

Flashcards:

<http://www.quizover.com/flashcards/question-photosynthesis-is-a-process-that-takes-place-michael-sag-chap?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-photosynthesis-is-a-process-that-takes-place-michael-sag-chap?pdf=1505>

#### 4.1.19. The Calvin cycle of photosynthesis

Author: Michael Sag

The Calvin cycle of photosynthesis

Please choose only one answer:

- Requires ATP and NADPH
- Produces ADP AND NADP+
- Generates glucose
- All of the Above

Check the answer of this question online at QuizOver.com:

Question: [The Calvin cycle of photosynthesis Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-calvin-cycle-of-photosynthesis-michael-sag-chapter-8-ques?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-calvin-cycle-of-photosynthesis-michael-sag-chapter-8-ques?pdf=1505>



4.1.20. The \_\_\_\_\_ is the thick fluid within the inner membrane of chloropl...

Author: Michael Sag

The \_\_\_\_\_ is the thick fluid within the inner membrane of chloroplast that surround thylakoids

Please choose only one answer:

- Stroma
- ADP
- Glucose

Check the answer of this question online at QuizOver.com:

Question: [The is the thick fluid within the inner Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-is-the-thick-fluid-within-the-inner-michael-sag-chapter-8?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-is-the-thick-fluid-within-the-inner-michael-sag-chapter-8?pdf=1505>

#### 4.1.21. The carbon atoms that become part of the glucose molecule as a resu...

Author: Michael Sag

The carbon atoms that become part of the glucose molecule as a result of photosynthesis were originally present in molecules of:

Please choose only one answer:

- Carbon Dioxide (CO<sub>2</sub>)
- SUCROSE
- Carbon Monoxide (CO)
- Water

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The carbon atoms that become part of the Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-carbon-atoms-that-become-part-of-the-michael-sag-chapter?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-carbon-atoms-that-become-part-of-the-michael-sag-chapter?pdf=1505>

#### 4.1.22. When electrons of a photosystem are energized,

Author: Michael Sag

When electrons of a photosystem are energized,

Please choose only one answer:

- They become a particle of light
- They form a glucose bond
- They enter an ETC
- They enter the Calvin Cycle

Check the answer of this question online at QuizOver.com:

Question: [When electrons of a photosystem are energized Michael Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-when-electrons-of-a-photosystem-are-energized-michael-chapter?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-when-electrons-of-a-photosystem-are-energized-michael-chapter?pdf=1505>

#### 4.1.23. Which of the events listed below occur in the light reactions of ph...

Author: Michael Sag

Which of the events listed below occur in the light reactions of photosynthesis?

Please choose only one answer:

- NADP+ is produced
- Carbon Dioxide is incorporated into 3PGA
- NADPH is changed into NADP+
- ATP is phosphorylated into ADP

Check the answer of this question online at QuizOver.com:

Question: [Which of the events listed below occur in Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-events-listed-below-occur-in-michael-sag-chapter?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-events-listed-below-occur-in-michael-sag-chapter?pdf=1505>

4.1.24. In the reactions of photosynthesis, sugar molecules are created in ...

Author: Michael Sag

In the reactions of photosynthesis, sugar molecules are created in the...

Please choose only one answer:

- Chloroplast
- Central Vacuole
- Cell Wall
- Nucleus

Check the answer of this question online at QuizOver.com:

Question: [In the reactions of photosynthesis sugar Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-in-the-reactions-of-photosynthesis-sugar-michael-sag-chapter?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-in-the-reactions-of-photosynthesis-sugar-michael-sag-chapter?pdf=1505>

#### 4.1.25. Which substances must a plant obtain from its environment to carry ...

Author: Michael Sag

Which substances must a plant obtain from its environment to carry on photosynthesis?

Please choose only one answer:

- Carbon Dioxide and Water
- Glucose and Water
- Oxygen and Chlorophyll
- Carbon Dioxide and Oxygen

Check the answer of this question online at QuizOver.com:

Question: [Which substances must a plant obtain from Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-substances-must-a-plant-obtain-from-michael-sag-chapter?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-substances-must-a-plant-obtain-from-michael-sag-chapter?pdf=1505>

4.1.26. Which of the following is part of the overall reaction/process for ...

Author: Michael Sag

Which of the following is part of the overall reaction/process for photosynthesis?

Please choose only one answer:

- Carbon Dioxide
- Water
- Light
- All of the Above

Check the answer of this question online at QuizOver.com:

Question: [Which of the following is part of the overall Michael Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-is-part-of-the-overall-michael-chapter?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-is-part-of-the-overall-michael-chapter?pdf=1505>

#### 4.1.27. Which of the following statements is correct?

Author: Michael Sag

Which of the following statements is correct?

Please choose only one answer:

- Accessory pigments are not involved in photosynthesis.
- Accessory pigments add color to plants but do not absorb light energy.
- Accessory pigments absorb colors of light that chlorophyll a cannot absorb.
- Accessory pigments receive electrons from the electron transport chain of photosystem I.

Check the answer of this question online at QuizOver.com:

Question: [Which of the following statements is correct Michael Sag Chapter](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-statements-is-correct-michael-sag-chap?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-statements-is-correct-michael-sag-chap?pdf=1505>



#### 4.1.28. Where are photosystems found?

Author: Michael Sag

Where are photosystems found?

Please choose only one answer:

- In the Stroma
- In the Thylakoid Membrane
- In the Calvin Cycle
- All of the above

Check the answer of this question online at QuizOver.com:

Question: [Where are photosystems found Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-where-are-photosystems-found-michael-sag-chapter-8-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-where-are-photosystems-found-michael-sag-chapter-8-quest?pdf=1505>

#### 4.1.29. When light hits a plant, ALL of the wavelengths of light are absorb...

Author: Michael Sag

When light hits a plant, ALL of the wavelengths of light are absorbed and used to make sugar.

Please choose only one answer:

- True
- False

Check the answer of this question online at QuizOver.com:

Question: [When light hits a plant ALL of the wavelengths Michael Chapter 8](#)

Flashcards:

<http://www.quizover.com/flashcards/question-when-light-hits-a-plant-all-of-the-wavelengths-michael-chapte?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-when-light-hits-a-plant-all-of-the-wavelengths-michael-chapte?pdf=1505>

#### 4.1.30. The source of oxygen produced during photosynthesis is

Author: Michael Sag

The source of oxygen produced during photosynthesis is

Please choose only one answer:

- Carbon Dioxide
- Water
- The Air
- Glucose

Check the answer of this question online at QuizOver.com:

Question: [The source of oxygen produced during Michael Sag Chapter 8 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-source-of-oxygen-produced-during-michael-sag-chapter-8-qu?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-source-of-oxygen-produced-during-michael-sag-chapter-8-qu?pdf=1505>