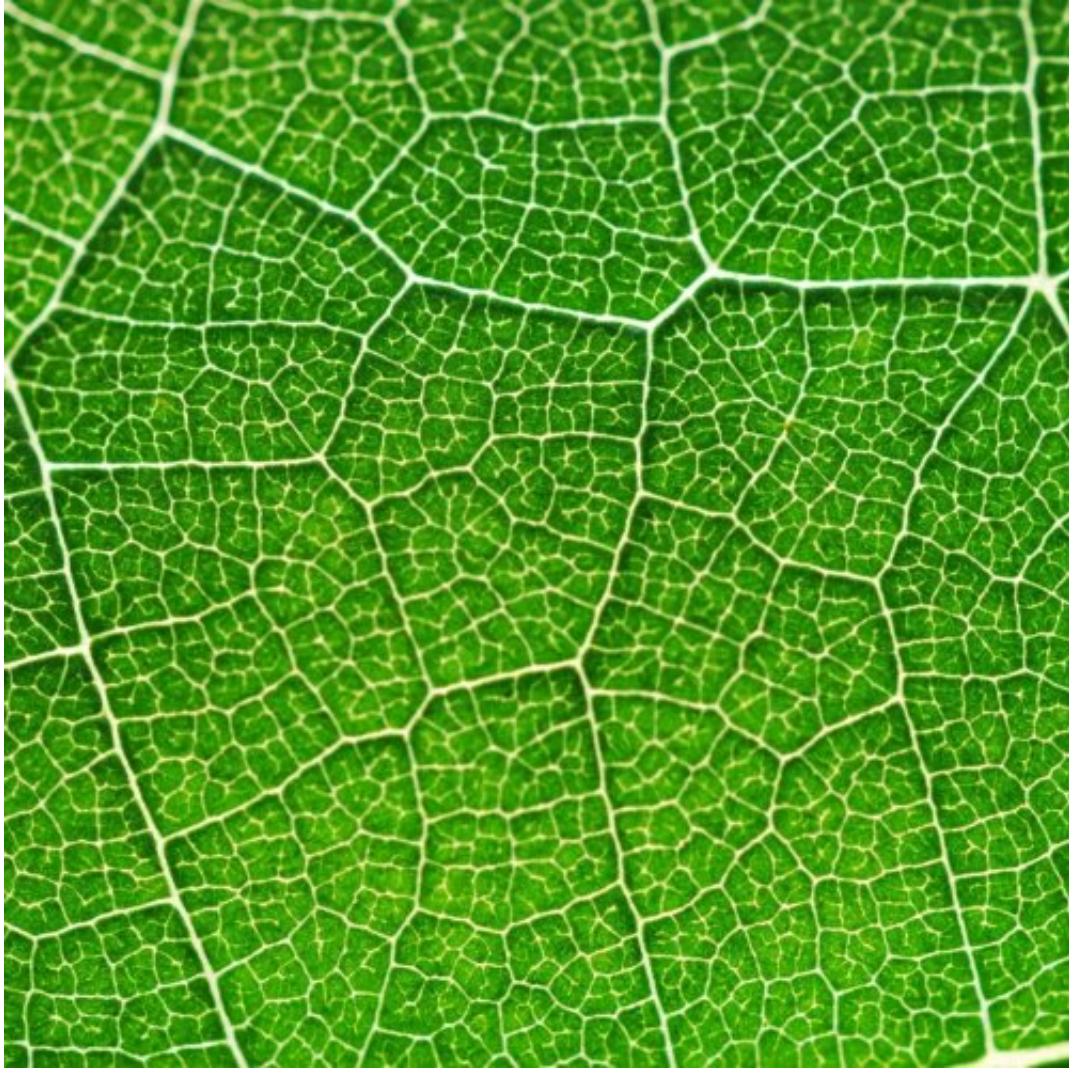


## Photosynthesis Quiz: questions and answers



1. Which organisms perform photosynthesis?

- Chemautotrophs
- Photoautotrophs
- Autotrophs

2. How do plants get water and minerals?

- From the soil
- From the sunlight
- From fertilizers

3. What gives the plants a green color?

- Water
- Farina
- Chlorophyll

4. What the first photosynthetic organisms were using instead of water?

- Lead
- Oxygen
- Hydrogen

5. What is the average rate of energy captured by photosynthesis?

- 140 TW
- 130 TW

150 TW

6. How many thousand million tonnes of carbon is converted into biomass by photosynthetic organisms?

115-120

110-115

120-125

7. How many moles of CO<sub>2</sub> are required to produce one mole of sugar?

7

8

6

8. How many moles of H<sub>2</sub>O are required to produce one mole of sugar?

7

6

8

9. What do plants produce during photosynthesis?

Hydrogen

Oxygen

Carbon Dioxide

10. Which type of reaction is carbon fixation?

Simple redox

Exothermic redox

Endothermic redox

## Photosynthesis Quiz: questions and answers

### Right answers

1. Which organisms perform photosynthesis?  
Photoautotrophs
2. How do plants get water and minerals?  
From the soil
3. What gives the plants a green color?  
Chlorophyll
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8. How many moles of H<sub>2</sub>O are required to produce one mole of sugar?  
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9. What do plants produce during photosynthesis?  
Oxygen
10. Which type of reaction is carbon fixation?  
Endothermic redox