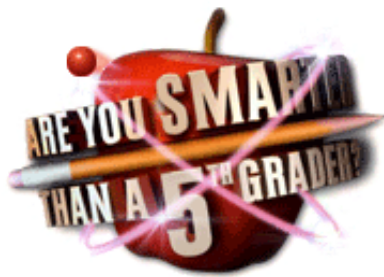


Are You Smarter  
Than a 5<sup>th</sup> Grader?



# Are You Smarter Than a 5<sup>th</sup> Grader?

1,000,000

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5th Grade Topic 1

5th Grade Topic 2

5th Grade Topic 3

5th Grade Topic 4

5th Grade Topic 5

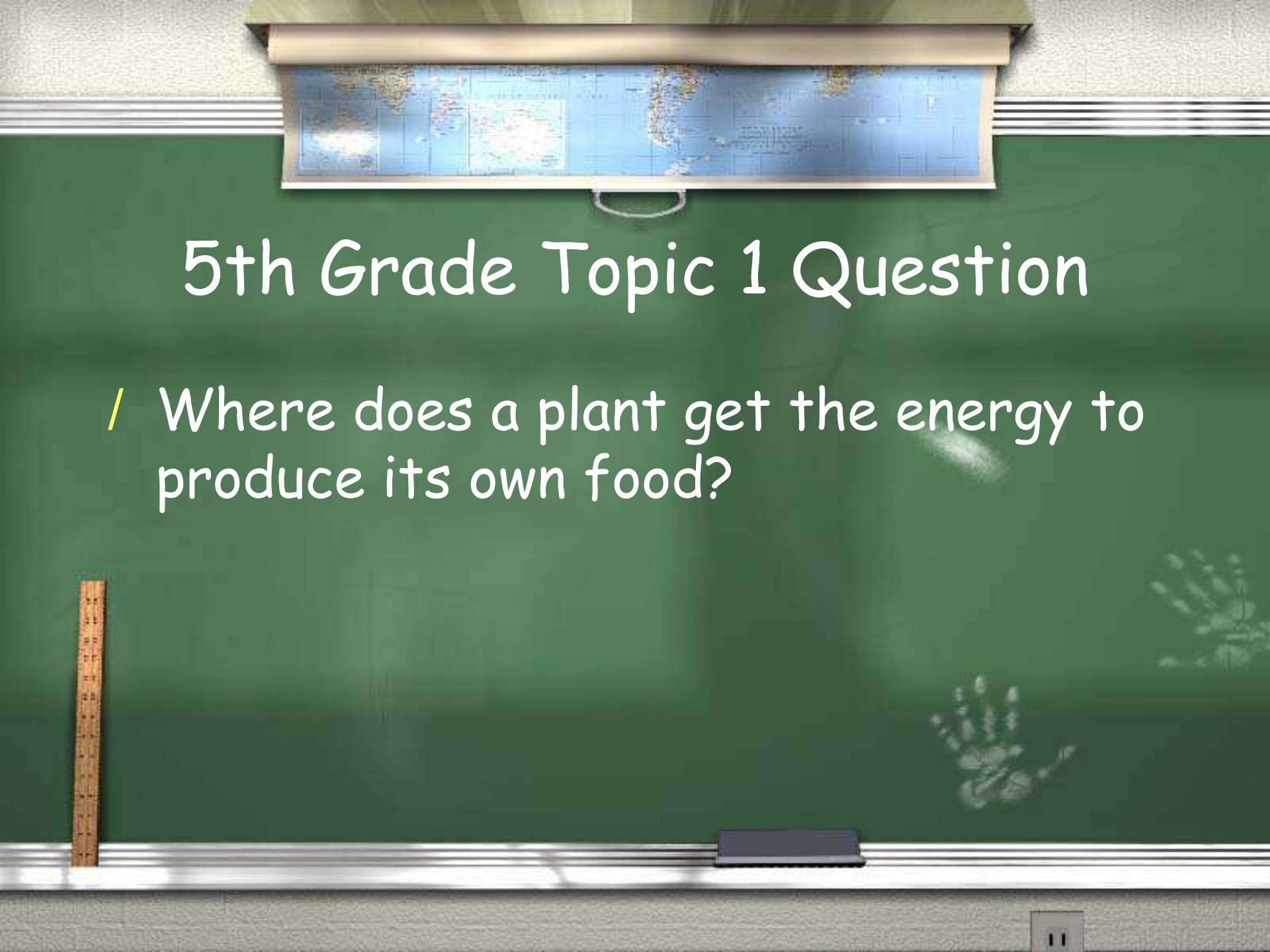
5th Grade Topic 6

5th Grade Topic 7

5th Grade Topic 8

5th Grade Topic 9

5th Grade Topic 10



# 5th Grade Topic 1 Question

- / Where does a plant get the energy to produce its own food?



# 5th Grade Topic 1 Answer

/ The plant gets the energy from the sun.

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# 5th Grade Topic 2 Question

/ What do plants need from the soil?



# 5th Grade Topic 2 Answer

/ Plants need minerals and water from the soil.

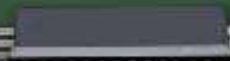


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# 5th Grade Topic 3 Question

- / Why doesn't the air run out of Oxygen ( $O_2$ ) or fill up with Carbon Dioxide ( $CO_2$ )?





# 5th Grade Topic 3 Answer

- / Plants and animals recycle the gases. Plants use  $CO_2$  to make  $O_2$  and animals use  $O_2$  and give off  $CO_2$ .



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# 5th Grade Topic 4 Question

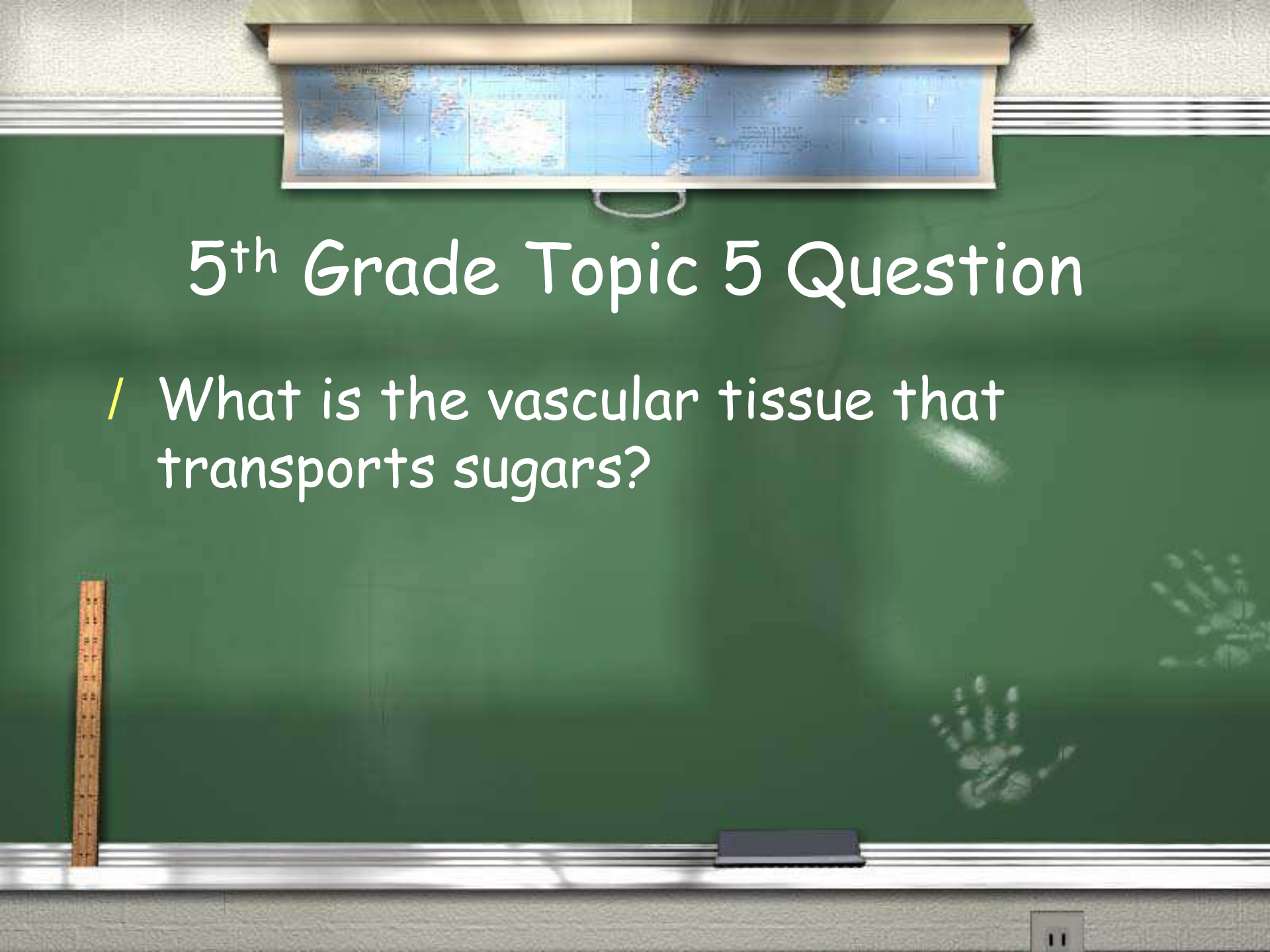
/ In what organelle does photosynthesis take place?



# 5th Grade Topic 4 Answer

/ Photosynthesis takes place in the chloroplasts.

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# 5<sup>th</sup> Grade Topic 5 Question

/ What is the vascular tissue that transports sugars?



# 5th Grade Topic 5 Answer

- / Phloem transports sugars in **BOTH** directions throughout the plant.



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# 5th Grade Topic 6 Question

/ What is the vascular tissue that transports water and minerals?



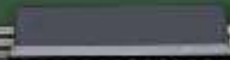
# 5th Grade Topic 6 Answer

- / Xylem transports water ( $H_2O$ ) and minerals from the soil, through the roots, and **UP** the stem of the plant .
- 
- 
- 



# 5th Grade Topic 7 Question

- / What are the small openings on the underside of a leaf





# 5th Grade Topic 7 Answer

- / Stomata are the small openings on the underside of a leaf.



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# 5th Grade Topic 8 Question

- / What is the process that transforms sunlight's energy into chemical energy in food?



# 5th Grade Topic 8 Answer

- / Photosynthesis is the process that converts sunlight's energy into chemical energy in food.



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# 5th Grade Topic 9 Question

- / What is the name of the process in which liquid water ( $H_2O$ ) evaporates from the leaves of plants?



# 5th Grade Topic 9 Answer

- / Transpiration is the name of the process.
  - / This process is very important to the water ( $H_2O$ ) cycle.
- 

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# 5th Grade Topic 10 Question

- / What is the name of the important pigment in the chloroplast?



# 5th Grade Topic 10 Answer

/ Chlorophyll is the name of the green pigment in the chloroplast.

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Million Dollar Question  
Grade Level Topic 11

Biology



# 1,000,000 Question

- / What are the three materials a plant needs for photosynthesis?
- / What are the two products of photosynthesis?





# 1,000,000 Answer

/ Carbon Dioxide ( $\text{CO}_2$ ), water ( $\text{H}_2\text{O}$ ), and sunlight are the raw materials for photosynthesis.

/ Oxygen ( $\text{O}_2$ ) and sugar ( $\text{C}_6\text{H}_{12}\text{O}_6$ ) are the products of photosynthesis.



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Thanks for Playing!

