

What substance
does a plant use
for food?

Glucose
Water
Carbon Dioxide
Soil

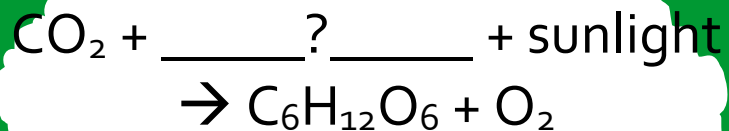
Card 1

The formula for
glucose is

_____?

Card 2

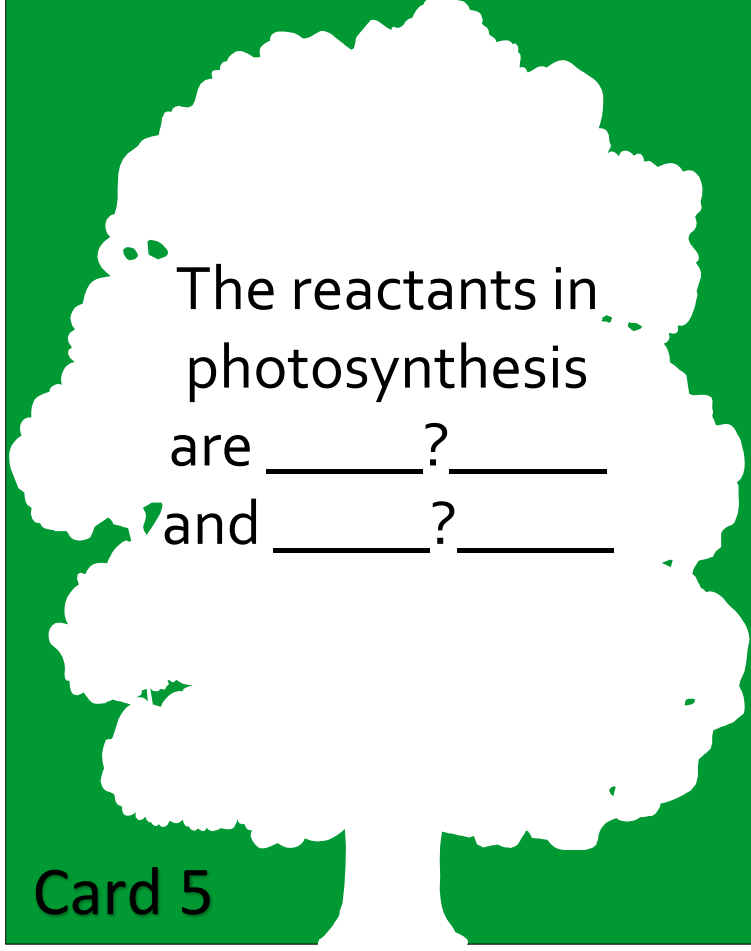
The formula for
photosynthesis is:



Card 3

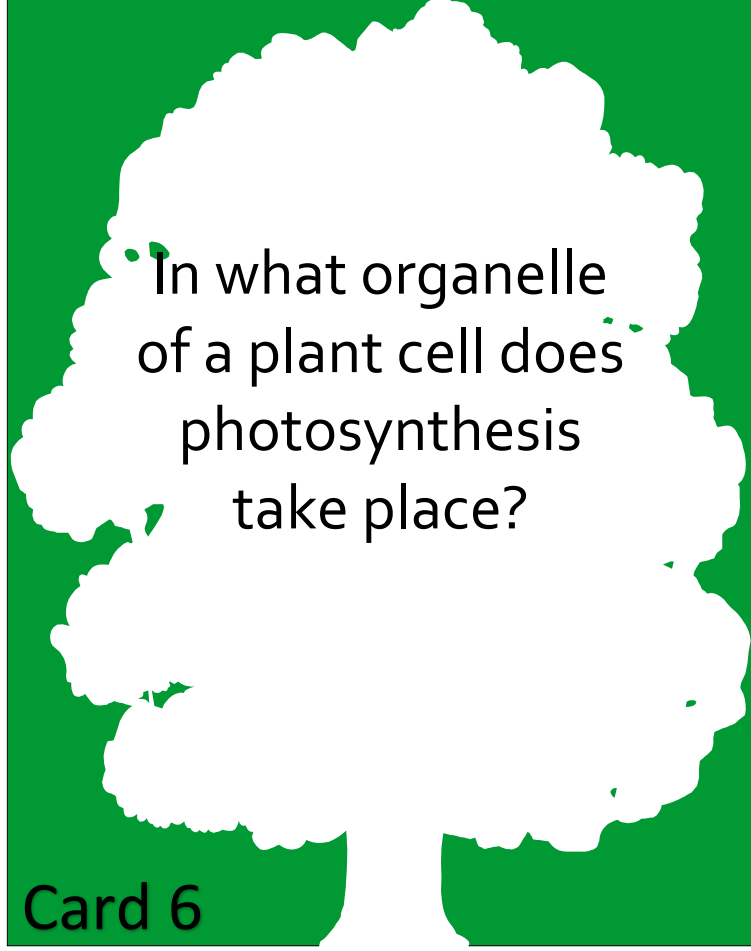
What type of
energy does a
plant use to convert
CO₂ and H₂O into
sugar?

Card 4



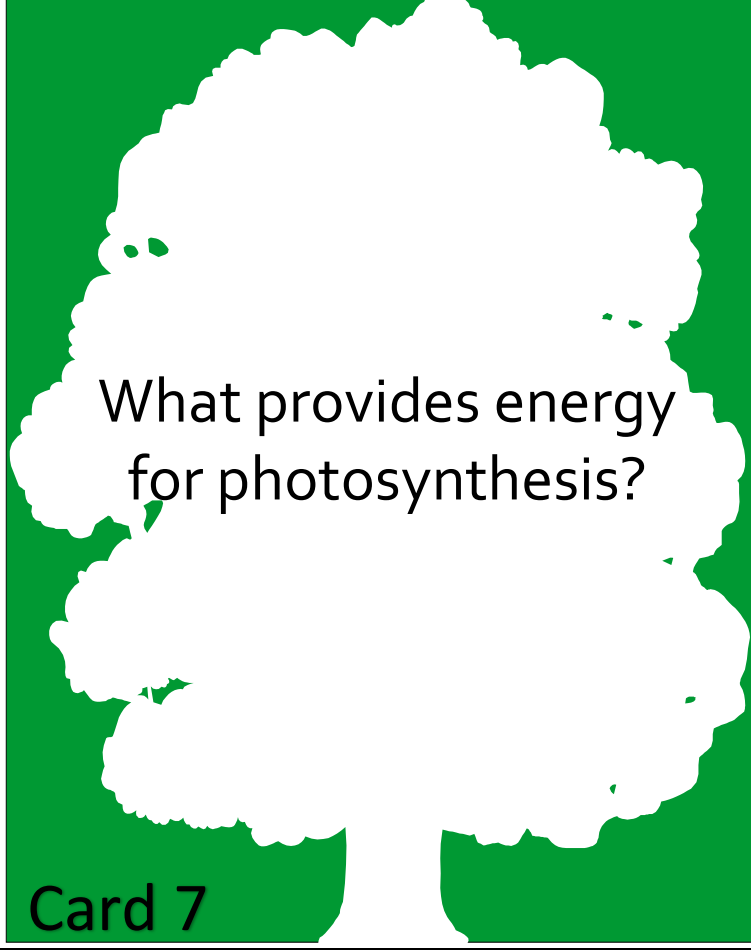
The reactants in photosynthesis are _____? _____ and _____? _____

Card 5



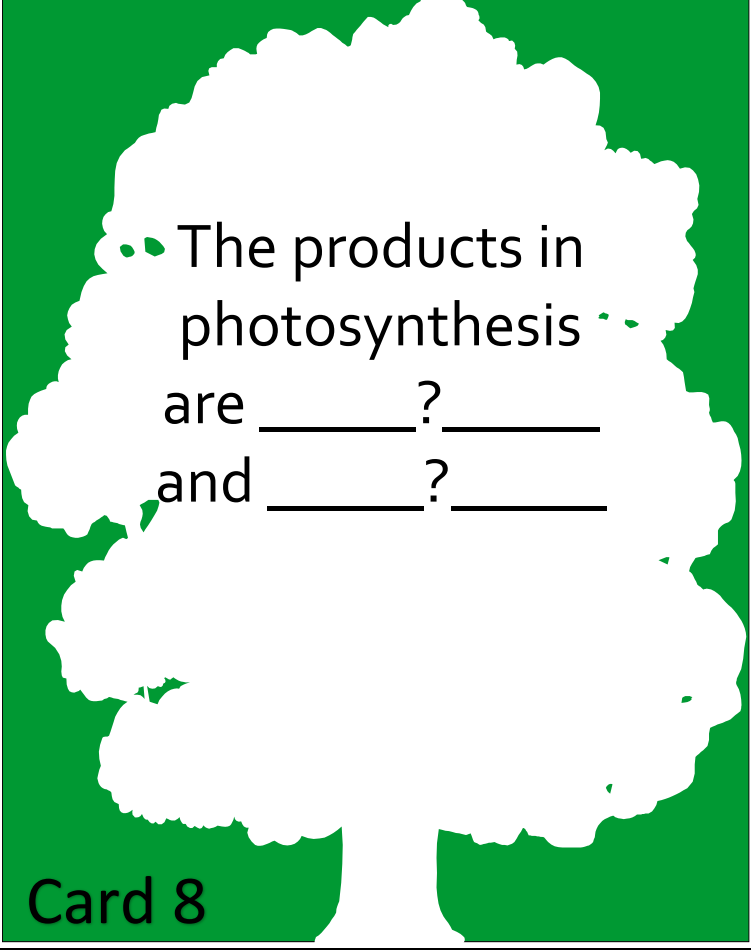
In what organelle of a plant cell does photosynthesis take place?

Card 6



What provides energy for photosynthesis?

Card 7



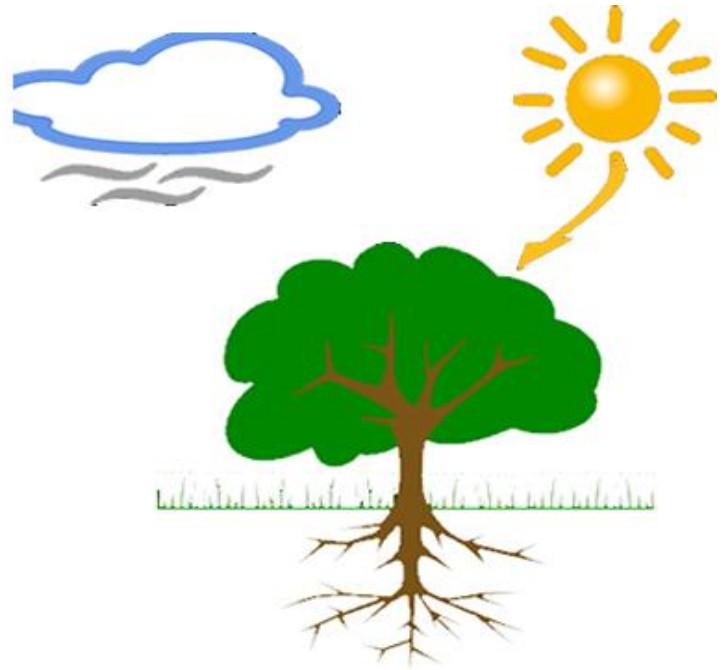
The products in photosynthesis are _____? _____ and _____? _____

Card 8

What plant pigments are involved in photosynthesis?

Card 9

The arrow from the sun to the tree is representing _____?



Card 10

The tiny openings on the underside of the leaf that help the plant take in carbon dioxide are called...

Stomata

Xylem

Phloem

Chlorophyll

Card 11

The tissue that carries the plant's water is called...

Stomata

Xylem

Phloem

Chlorophyll

Card 12

The plant's food is carried around the plant by the ...

Stomata

Xylem

Phloem

Chlorophyll

Card 13

What do plants release during the process of photosynthesis?

Carbon Dioxide

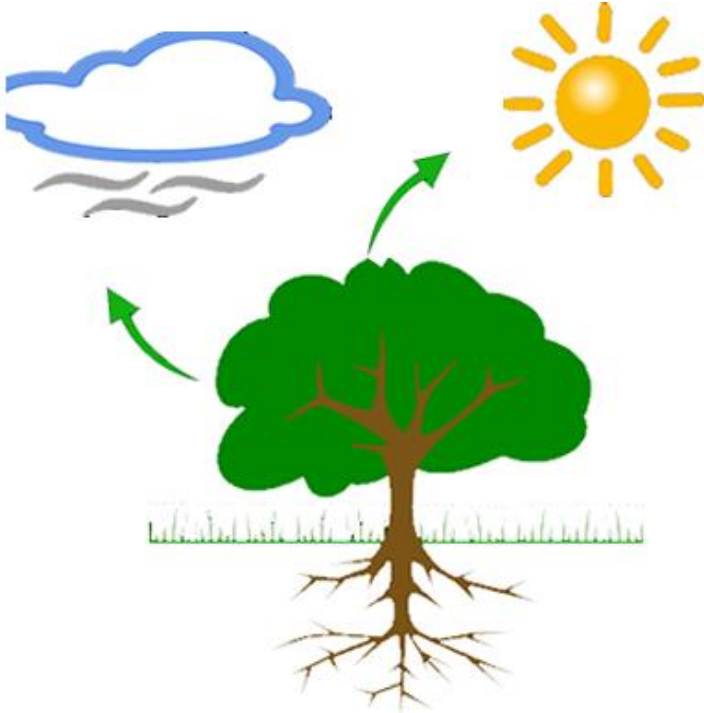
Hydrogen

Oxygen

Nitrogen

Card 14

The arrows coming from the tree represent ____? ____.

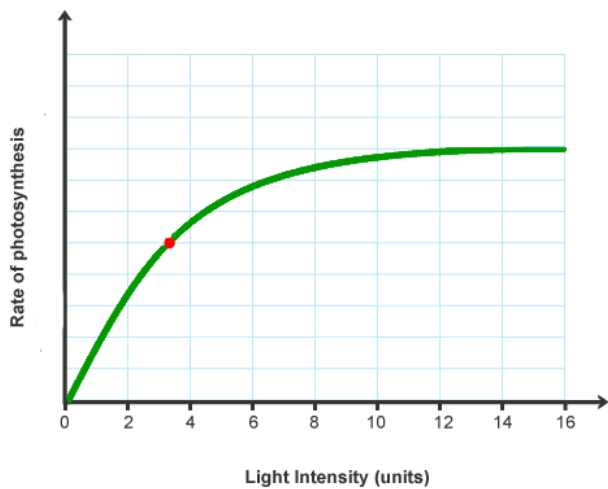


Card 15

What does "photo" mean in Greek?

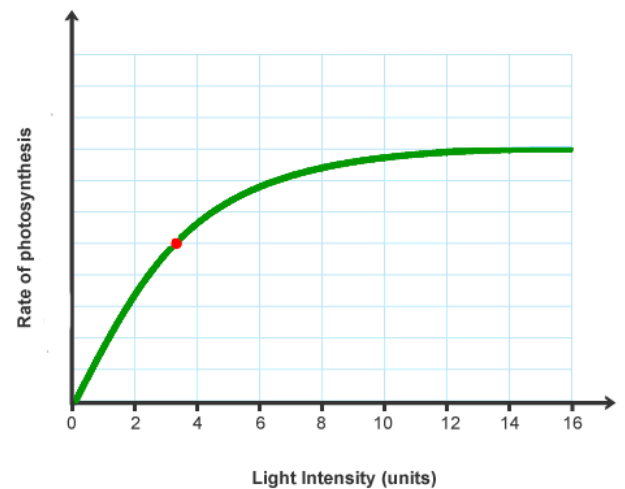
Card 16

This graph displays what relationship?



Card 17

What conclusion can you make about the effect of light intensity on photosynthesis from this data?



Card 18

The green pigment in a plant is called

_____?
Chloroplast
Chlorophyll
Chlorine
Mitochondria

Card 19

During photosynthesis, plants and some other organisms use energy from the sun to convert carbon dioxide and water into...

Card 20

The vascular tissue in which water is taken up from the roots and transported to the leaves is called _____?

Xylem

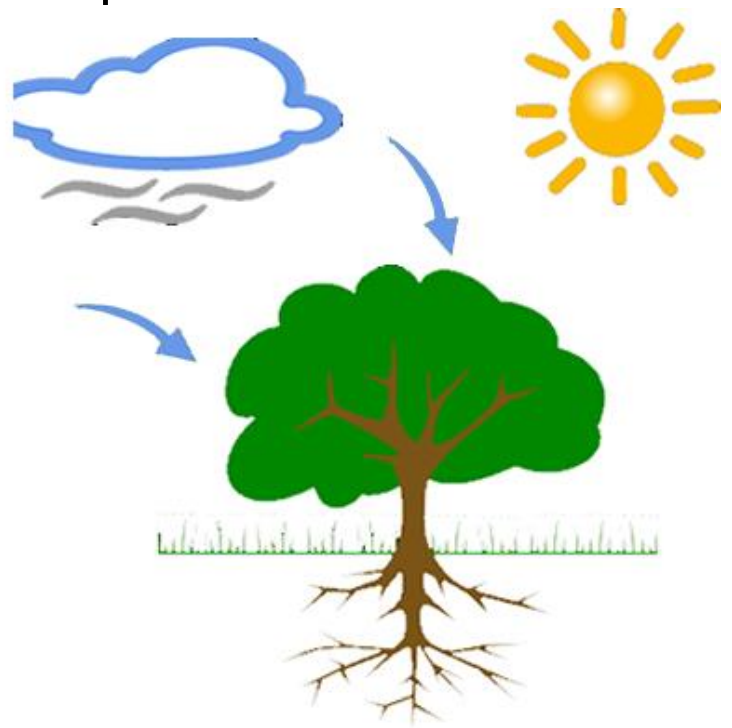
Phloem

Cuticle

Veins

Card 21

The arrows going to the tree represent _____?



Card 22

Part of plants that contains chlorophyll, a place where photosynthesis takes place.

_____?

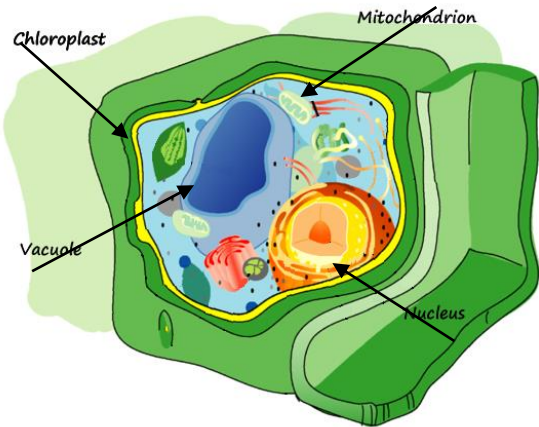
Card 23

Replace this symbolic formula
 $6\text{CO}_2 + 6\text{H}_2\text{O} + \text{Energy} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$
with words.

Card 24

Photosynthesis occurs in
which organelle?

- Chloroplast
- Mitochondrion
- Vacuole
- Nucleus



Card 25

_____? _____
is the
type of energy that is
created from
radiant energy by the
process of
photosynthesis.

Card 26

_____? _____
open and close the
stomata.

Card 27

Green coloring in
plants that is
responsible for the
absorption of light
needed for
Photosynthesis.

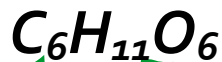
_____? _____

Card 28

Which of the following is a product of Photosynthesis?

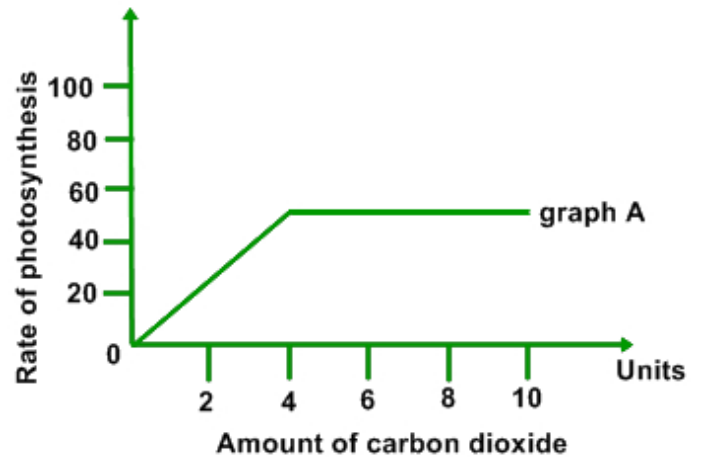


Sucrose



Card 29

What is the **Dependent Variable** in this investigation?



Card 30

The tiny openings on the underside of leaves are called

_____?

Card 31

_____?
is a pore or opening on the surface of a leaf where gas exchange occurs

Card 32

Which statement best explains why animal cells are able to function without chloroplasts?

- ***Animal cells do not need outside energy.***
- ***Animals obtain energy by consuming other organisms.***
- ***Photosynthesis occurs in other organelles in animal cells.***
- ***Animal cells have circulatory systems, but plant cells do not.***

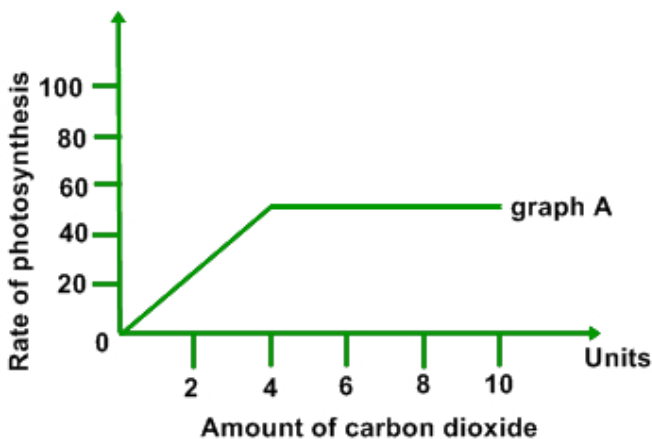
Card 33

Which of the following groups of organisms uses sunlight to convert carbon dioxide and water into sugar and oxygen?

- Carnivores***
- Decomposers***
- Herbivores***
- Producers***

Card 34

What is the ***Independent Variable*** in this investigation?



Card 35

A plant's characteristic green color comes from the chemical _____?

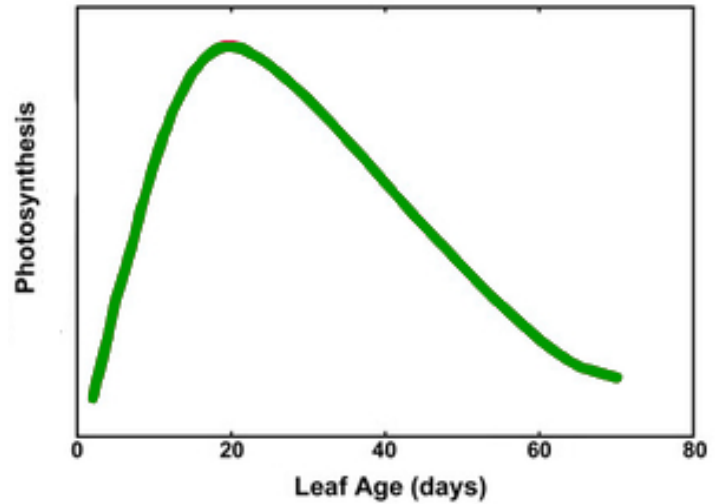
Card 36

Which type of energy transformation occurs in photosynthesis?

- *heat to electrical*
- *light to chemical*
- *mechanical to electrical*
- *chemical to mechanical*

Card 37

What conclusion can you make about the effect of leaf age on photosynthesis from this data?



Card 38

Card 39

Card 40

Name _____

Photosynthesis Task Cards Answer Sheet

1.	21.
2.	22.
3.	23.
4.	24.
5.	25.
6.	26.
7.	27.
8.	28.
9.	29.
10.	30.
11.	31.
12.	32.
13.	33.
14.	34.
15.	35.
16.	36.
17.	37.
18.	38.
19.	39.
20.	40.