

PHOTOSYNTHESIS



INCLUDES GOOGLE SLIDES

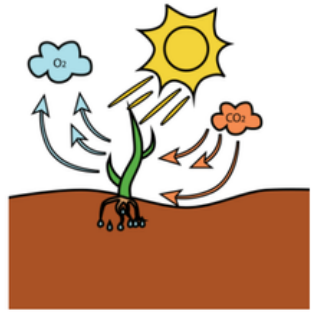


For students who:

- are emerging or non-readers
- take alternate assessments
- are in special education
- short-attention span
- lack pre-requisite skills
- benefit from the use of pictures for support
- middle/high school

Photosynthesis

By
Christa Joy
Special Needs for Special Kids



Christa Joy, Special Needs for Special Kids
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Also included in this resource as separate files:

- Lesson plans
- Links and directions to digital activities
- PowerPoints (**these are the books in the lesson plan**)
- Voice recorded PowerPoint
- Activities in black and white

This unit contains over 1 week of material. I have included a detailed lesson plan to help you make the most of everything in this unit including how to add some group activities.

There are 2 separate files, one in color and one in black and white.

Day 3

Activity	Notes	Materials
Read or listen to a recording of both books (10 minutes)	<ul style="list-style-type: none">• Read through the story, asking lots of questions• Continue to make connections between book and vocabulary board	<ul style="list-style-type: none">• Book• Vocabulary board
Photosynthesis Fact sheet (5 minutes)	<ul style="list-style-type: none">• Review the fact sheet on photosynthesis (laminates or place in page protector for durability)• Find relevant points in the book• Make connections to the vocabulary board	<ul style="list-style-type: none">• Fact sheet• Vocabulary board
Vocabulary cards Bean Bag Toss (10 minutes)	<ul style="list-style-type: none">• Glue the cut apart symbols to the paper plates (one on each plate)• Arrange them around the room• Students toss the bean bag trying to get it to land on a paper plate<ul style="list-style-type: none">◦ Students retrieve the paper plate and share the vocabulary card they retrieved	<ul style="list-style-type: none">• Vocabulary cards• Vocabulary cards cut apart• Small paper plates or pieces of construction paper• Bean bags
Ins and out activity review (5 minutes)	<ul style="list-style-type: none">• Review the labeling activity completed yesterday	<ul style="list-style-type: none">• Labeling activity completed yesterday
Photosynthesis sequencing (10 minutes)	<ul style="list-style-type: none">• Choose the level that is best for your student.• Complete the photosynthesis sequence• Add color-coding if needed• Make connections to the book as necessary	<ul style="list-style-type: none">• Sequencing worksheet• Scissors• Glue
Sharing (10 minutes)	<ul style="list-style-type: none">• Each student shares their finished worksheet with the group using the communication method of their choice	<ul style="list-style-type: none">• Completed worksheet• Communication devices

5 days

The lesson plans contain:

- Overall tips for teaching students with significant needs
- A quick look at what you will do each day
- Detailed instructions on how that day's lesson should run

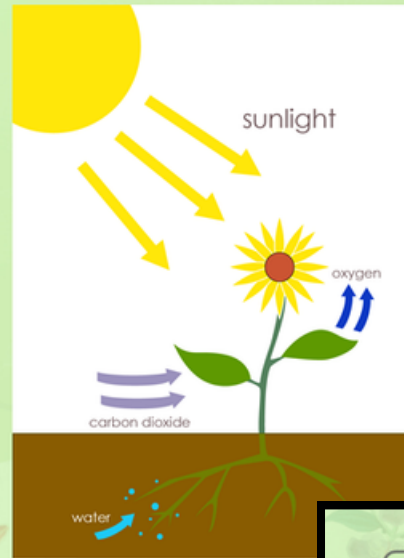


This unit comes with a vocabulary board.

Vocabulary boards are great for ALL students to assist with participation and engagement in group discussions.

Tips on how to use in the unit!!

When plants turn energy into food, it is called photosynthesis.



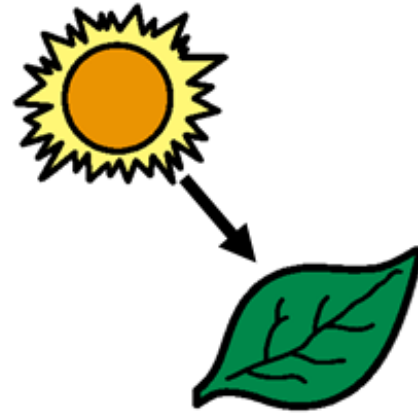
Plants breathe in that carbon dioxide.








There are 2 books with this unit using simple text and photos.

They come in a PowerPoint as well as an mp4/movie file (so you don't have to print them out.)

Photosynthesis Fact sheet

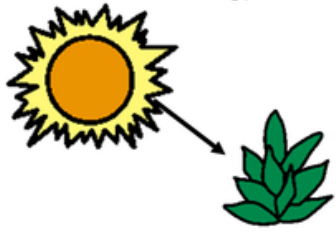


-  All plants perform photosynthesis.
-  Plants need sunlight for photosynthesis to occur.
-  Plants turn carbon dioxide into oxygen.
-  Plants turn sunlight into energy.
-  Plants need soil, water, and sunlight.

*There is a fact sheet to
review daily.*

photosynthesis

Occurs in plant cells. Takes sunlight, combines it with water and carbon dioxide to make energy.



chlorophyll

Green pigment in plant cells that turns sunlight into food.



carbon dioxide

Air that plants take in and use for photosynthesis.



oxygen

Air that is produced by plants for us to breathe.



photosynthesis

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Green pigment in plant cells that turns sunlight into food.



carbon dioxide

Air that plants take in and use for photosynthesis.



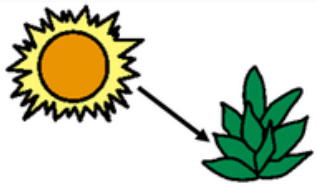
oxygen

Air that is produced by plants for us to breathe.



There are vocabulary cards that come in color and black and white.

photosynthesis



chlorophyll



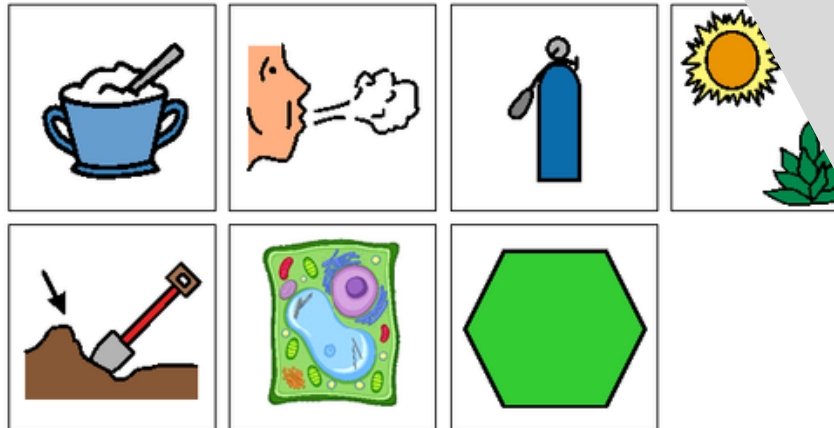
carbon dioxide

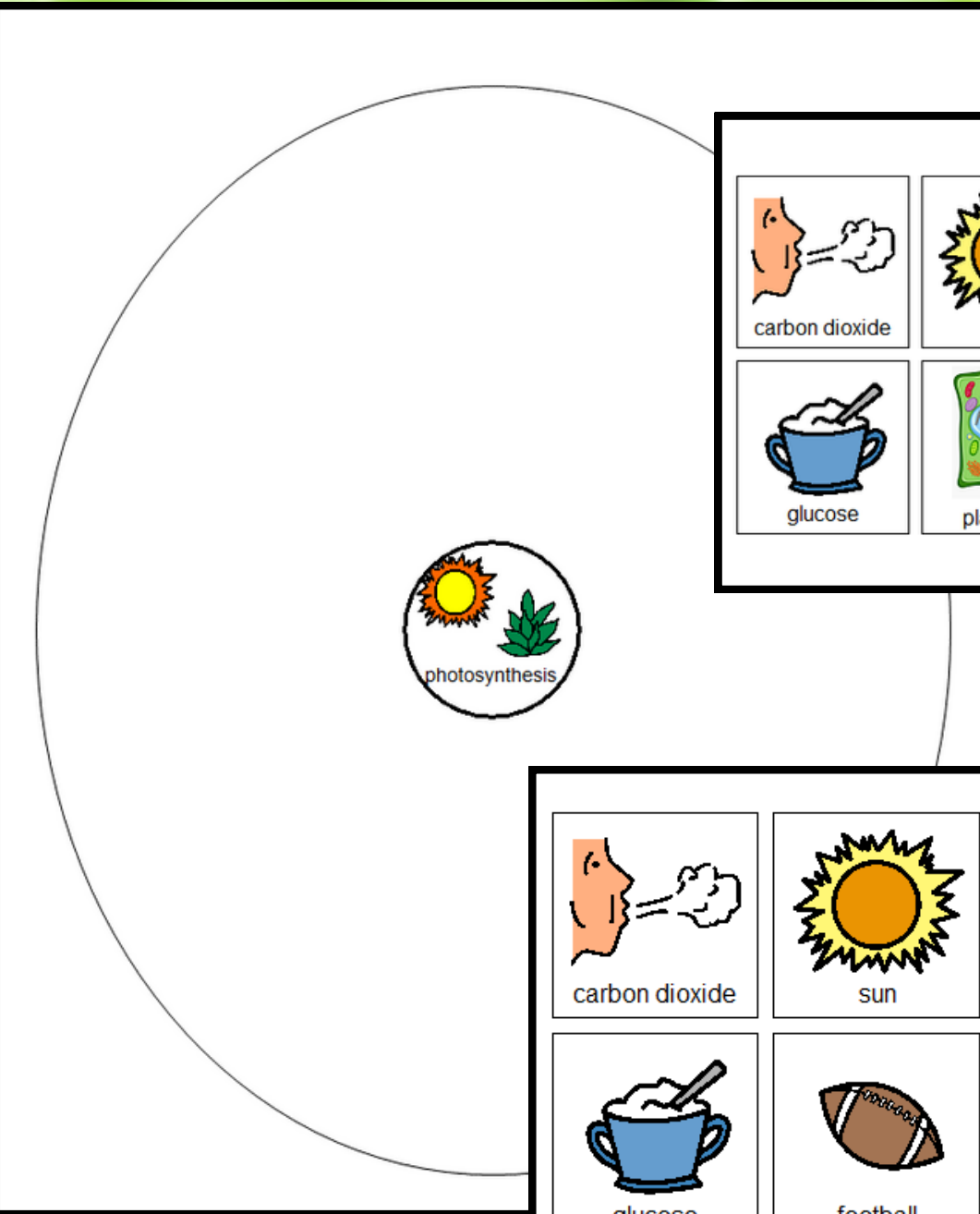




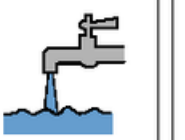





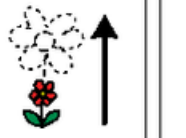

oxygen



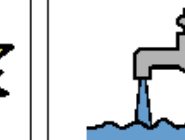
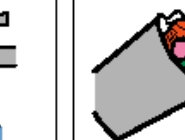



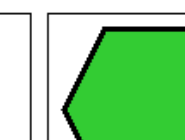



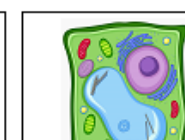





Included are suggestions for group activities to do with these each day.





 carbon dioxide	 sun	 water	 precipitation	 dirt
 glucose	 plant cell	 chlorophyll	 grow	 oxygen

 carbon dioxide	 sun	 water	 trash	 dirt
 glucose	 football	 chlorophyll	 grow	 oxygen
 car	 plant cell	 spaghetti	 precipitation	 taco

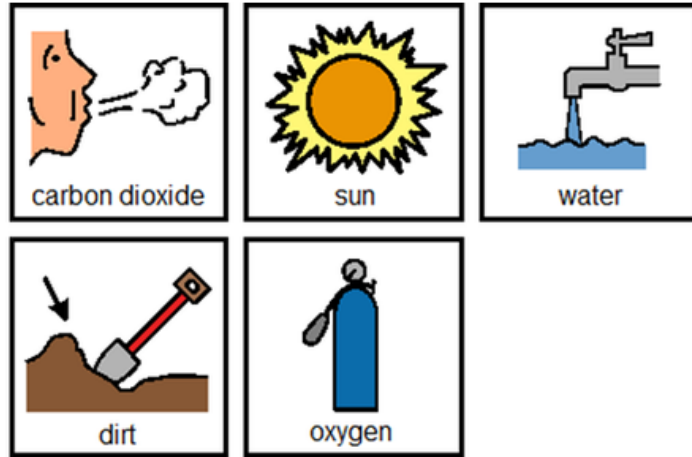
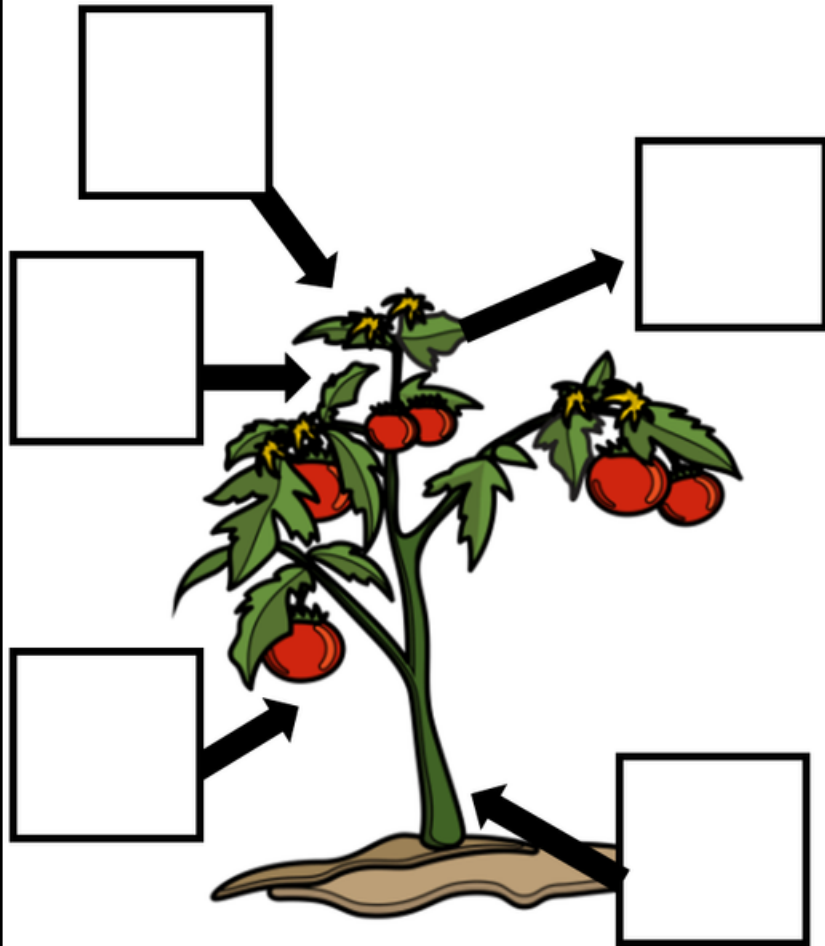
There is a circle map.

Circle maps are a great way for students to see the concept at a glance.

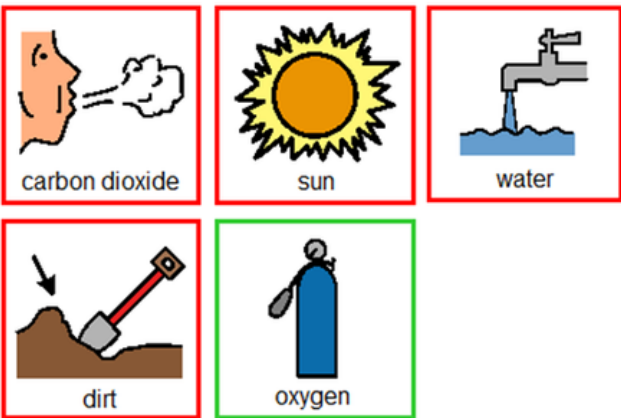
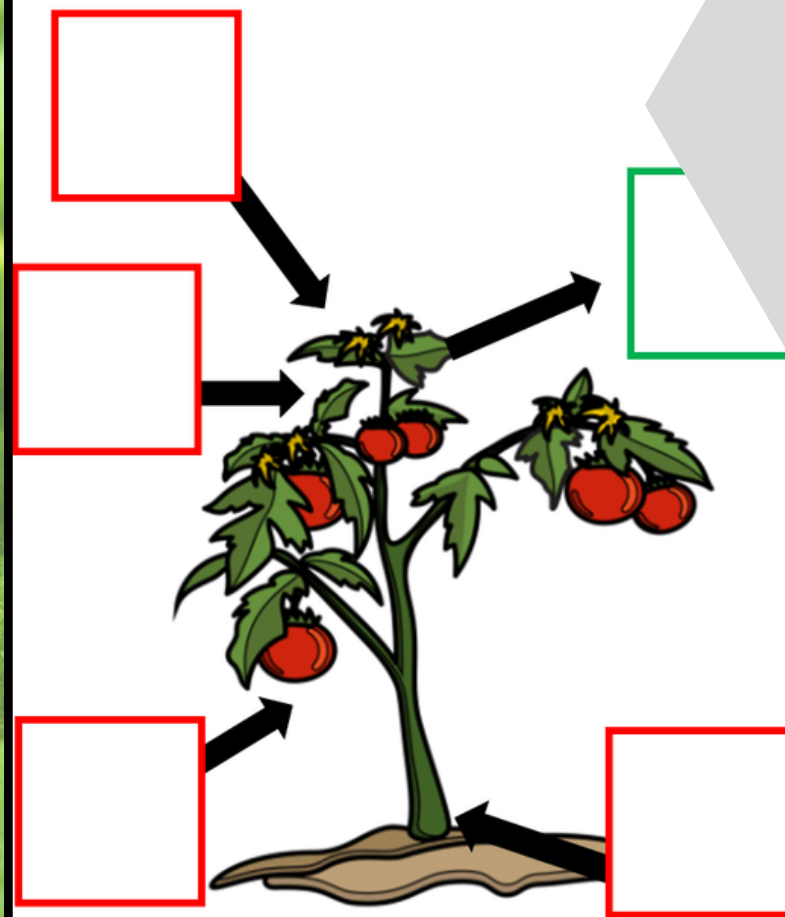
There are 2 versions:

- One is errorless
- One has wrong answers mixed in students will have to set aside

Label the inputs and outputs of photosynthesis.



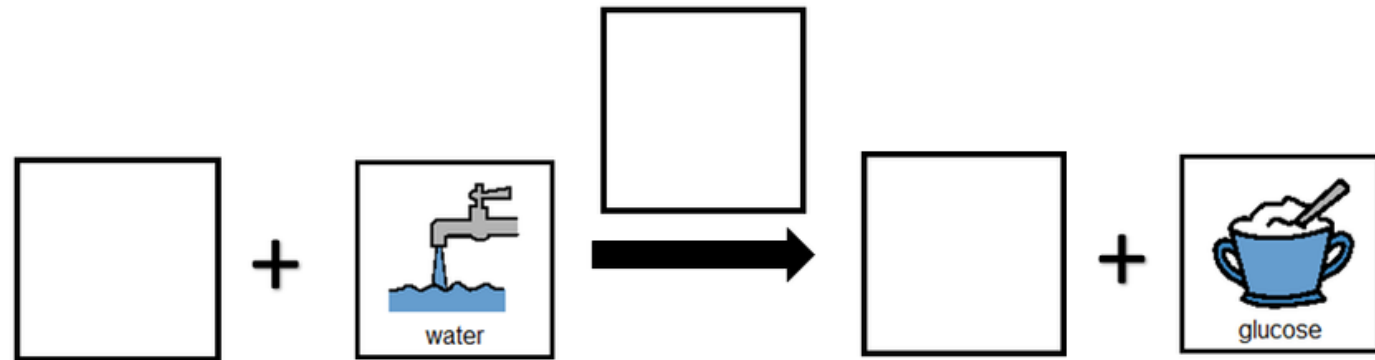
Label the inputs and outputs of photosynthesis.



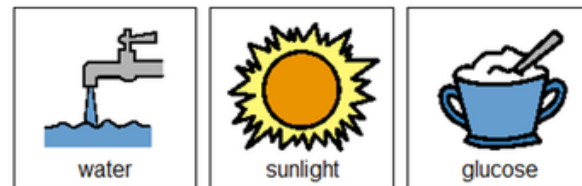
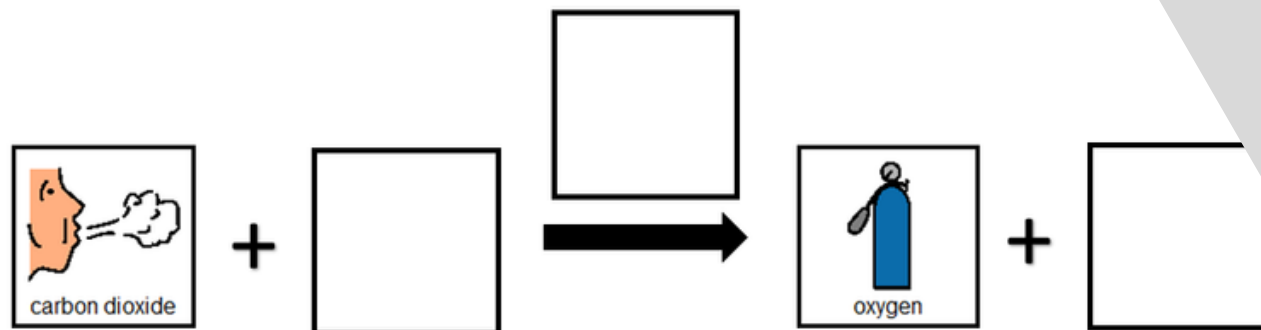
There is an activity where students identify the ins and outs of photosynthesis.

A color-coded version is included.

Complete the steps of photosynthesis.



Complete the steps of photosynthesis.

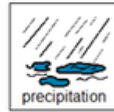
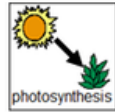


There is an activity where students sequence the actual steps of photosynthesis.

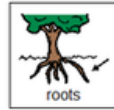
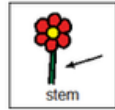
There are 3 options to choose from.

Each one has fewer steps filled in.

1. What is the name of the process plants use to make food?



2. What part of the plant turns sunlight into food?



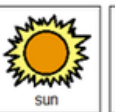
3. What is the name of the green pigment in plants that makes the food?



4. What type of food does the plant make

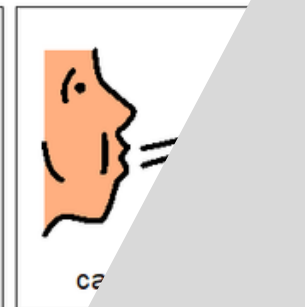
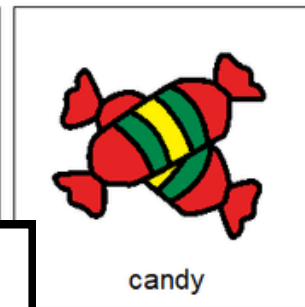
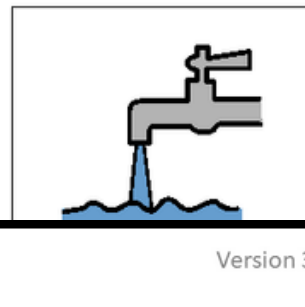
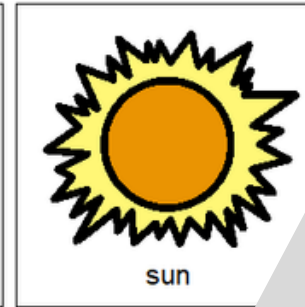
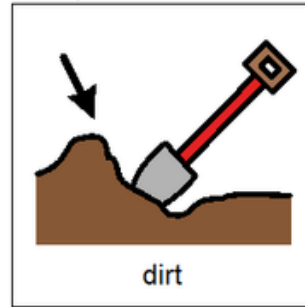


5. Circle all the things plants need to survive



Print onto cardstock or mount on index cards. Cut pictures apart and show student answer choices for each question.

Q 5



1. What is the name of the process plants use to make food?

- A. Photosynthesis
- B. Transportation
- C. precipitation

2. What part of the plant turns sunlight into food?

- A. Stem
- B. Leaf
- C. roots

3. What is the name of the green pigment in plants that makes the food?

- A. Flower
- B. Bumble bee
- C. chlorophyll

4. What type of food does the plant make for energy?

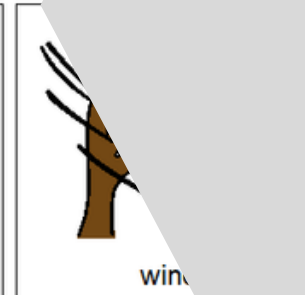
- A. Gas
- B. Glucose
- C. electricity

5. Circle all the things plants need to survive.

- A. Dirt
- B. Trash
- C. Sunlight
- D. water
- E. candy
- F. carbon dioxide

6. Plants turn carbon dioxide into:

- A. Sunlight
- B. Oxygen
- C. wind



FINALLY the assessment!! There are 3 versions.

- 10 questions with 3 picture choices for each question
- cut out the answer choices and glue them on index cards
- traditional multiple choice

Answer key included.

Watch the
movie on
photosynthesis
Part 1

What kind of food do plants
need?



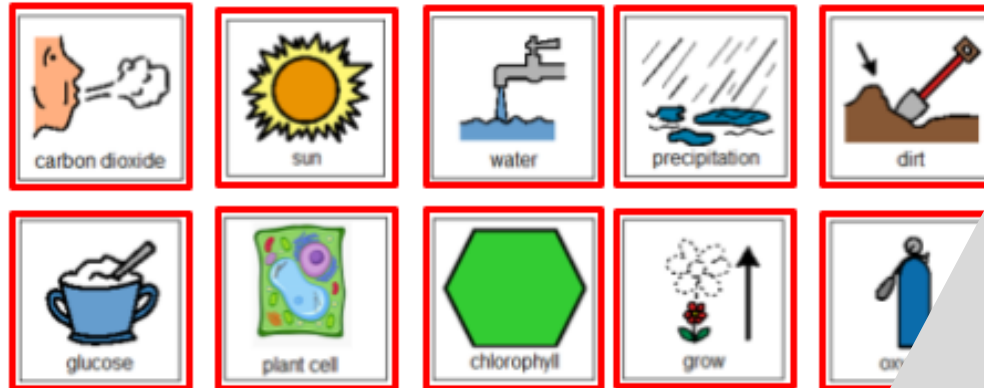
Christy Joy, Special Needs for Special Kids

*This unit also has
digital activities.
There is a movie
version of the books
students can listen to
read aloud.*

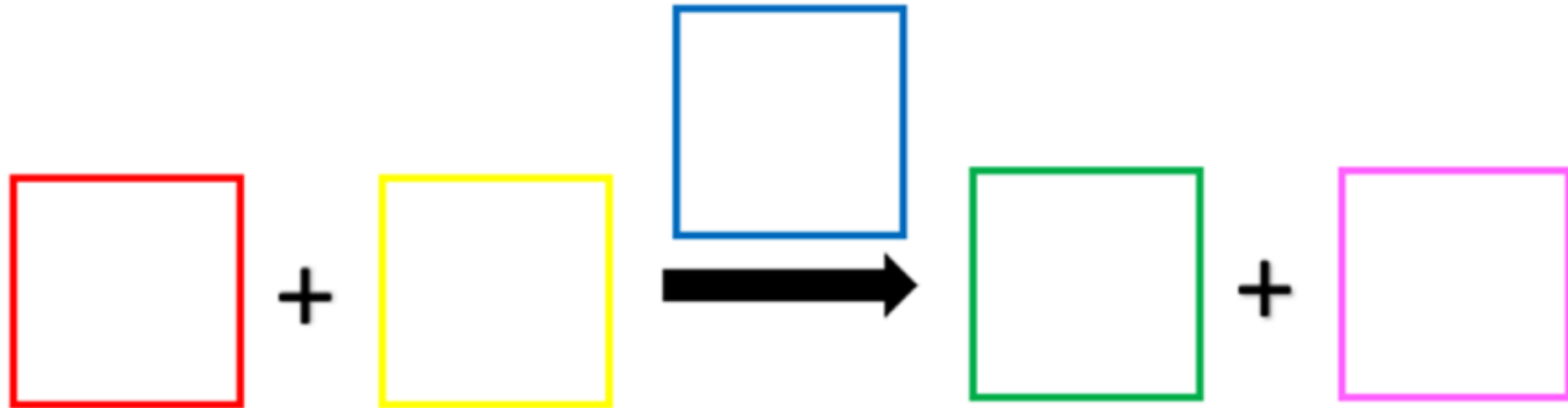
Great for review

The digital activities have students click and drag their answers.

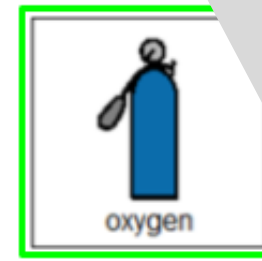
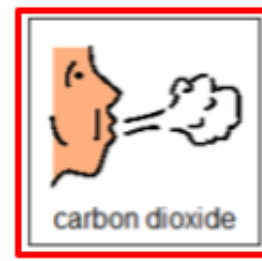
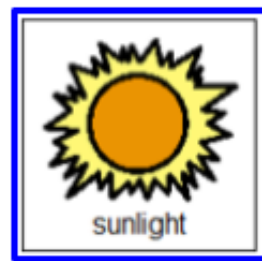
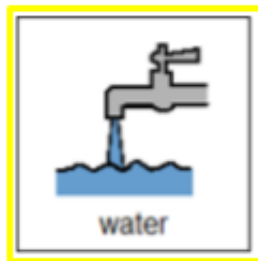
Place in circle map about photosynthesis.



Perfect for every learning level



Complete the steps of photosynthesis.



There are 2 sets of slides. One set has color-coding for more support.

This resource comes in a zipped folder. You will need to unzip the folder to access all the contents which include:

- ***5 days of lesson plans***
- ***Photosynthesis activities in color***
- ***Photosynthesis activities in black and white***
- ***Voice-recorded PowerPoint show***
- ***Photosynthesis books (PowerPoint) to use with activities***
- ***Links and directions to digital activities***