

Kid2Kid  
Tutorials

# Life Science

## Food Web

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# LIFE SCIENCE

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## ABOUT THIS PLAN:

We use video's by Crash Course Kids and online readings. The videos cover many topics and are about 10 minutes in length.

## Materials Needed:

1. Internet access
2. Computer/laptop
3. Printer
4. Construction paper
5. Scissors
6. Glue
7. Pen/pencil
8. Worksheets
9. Quizzes

## GRADE LEVEL:

1<sup>st</sup> to 5<sup>th</sup> grade and Homeschool

## Where to Find Us:

YouTube· [www.youtube.com/kid2kiddtutorialshd](http://www.youtube.com/kid2kiddtutorialshd) · Website· [www.kid2kiddtutorials.com](http://www.kid2kiddtutorials.com) ·  
Twitter · [www.twitter.com/Kid2Kidtutorial](http://www.twitter.com/Kid2Kidtutorial) · Instagram ·  
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[www.teacherspayteachers.com/Store/Kid2Kid-Tutorials](http://www.teacherspayteachers.com/Store/Kid2Kid-Tutorials)

## OBJECTIVES/TEACHING GUIDE/LESSON PLAN:

Please read through the entire lesson plan including activities before starting lessons with students.

## VIDEOS

Videos are for from Crash Course Kids

1. [Gotta Eat!](#) – “In this first episode, Sabrina takes a look at why all living things need to eat. Plus, she shows you a way to investigate why all living things need to eat.”
2. [Feed Me: Classifying Organisms](#) – “Sabrina has a chat with us about what living things eat to get energy. What makes something an omnivore, or a carnivore, or an herbivore? And how do plants fit in to all of this?”
3. [Fabulous Food Chains](#) – “Sabrina talks about the way energy moves, or flows, through an ecosystem and how that movement forms Food Chains!”
4. [The Dirt on Decomposers](#) – “We've talked about food chains and how energy moves through an ecosystem, but let's take a step back and see how everything starts... and ends. Decomposers!”
5. [The Basics of Freshwater](#) – “We have a lot of water on Earth, but we also can't actually drink much of it... or use it for farming. That's because most of the water on Earth is saltwater. We humans, like a lot of living things, need freshwater to survive. In this episode of Crash Course Kids, Sabrina talks about the difference between freshwater and saltwater and why freshwater is so important.”
6. [Water Water Everywhere](#) – “So you know about Freshwater and Saltwater now and you know that there's not that much Freshwater for us (and other life) to get to. So how do different animals deal with different amounts of water where they live? In this episode of Crash Course Kids, Sabrina talks about the adorable Nerpa and how they deal with rough conditions to live in Freshwater!”
7. [Land and Water](#) – “Remember Sol, the closest star to Earth? We like to call it The Sun and we haven't talked about it in a little while. One interesting thing about the energy we get from the sun is that it's not absorbed the same way by different materials. In fact, even at the beach you can do a nice little investigation that shows this very well. In this episode of Crash Course Kids, Sabrina chats about how the properties of land and water differ enough for absorption and reflection.”
8. [Home Sweet Habitat](#) – “How would a Polar Bear do if you put it in the desert? Not well. But why? Why can't anything live anywhere? Well, this has to do with Habitats and how animals (including humans) are suited for living in one place over another. In this episode, Sabrina talks about how these Habitats form Food Webs and how those Food Webs help us understand a lot about the world.”
9. [Food Webs](#) – “Last time we put a Polar Bear in the desert and we still feel bad about that, but there's a lot more going on in ecosystems than just temperature.”

In fact, there are so many elements in ecosystems, that if just one leaves or gets out of whack, it can be terrible for the whole thing. But today, let's talk about Spider Monkeys."

10. [Who Needs Dirt?](#) – "So... do plants need dirt? The truth might shock you. In this episode of Crash Course kids, Sabrina talks about how plants get energy and how that energy is transported around them. Also, she talks about dirt."
11. [Look Who's Talking](#) – "Plants! We absolutely depend on them. Oxygen, food, and looking super nice to boot! But, plants have a lot more going on than meets the eye. How do we know that? Investigations and Experimentations!"
12. [Living Things Change](#) – "Have you ever heard of the Peppered Moth? It's a great example of how living things can change because their environment has changed. And it's not just them! There used to be giant insects roaming the world, but they got smaller through time because their environments changed. In this episode of Crash Course Kids, Sabrina gives us some examples of how and why living things change because of their environments. "
13. [Climate Change](#) – "How does climate change? And what happens to environments and ecosystems when it does? In this episode of Crash Course Kids, Sabrina shows us the effects that climate change can have and how one small change in an ecosystem can throw everything off. "

## READING:

1. [Food Chain](#)

## ACTIVITIES:

- Watch videos 1 and 2, then complete the Classifying Organisms worksheet. Write down names of animals that fall into the 3 categories (Carnivore, Omnivore, and Herbivore)
- Watch videos 3 and 4, read "Food Chain", and print out the [Food Chain Guide](#). Have students create their own food chain guide write names of animals that fall into each category. (I have included worksheets to create your own [Food Chain – Your Turn](#)).

Figure 1: Food Chain created by my son.



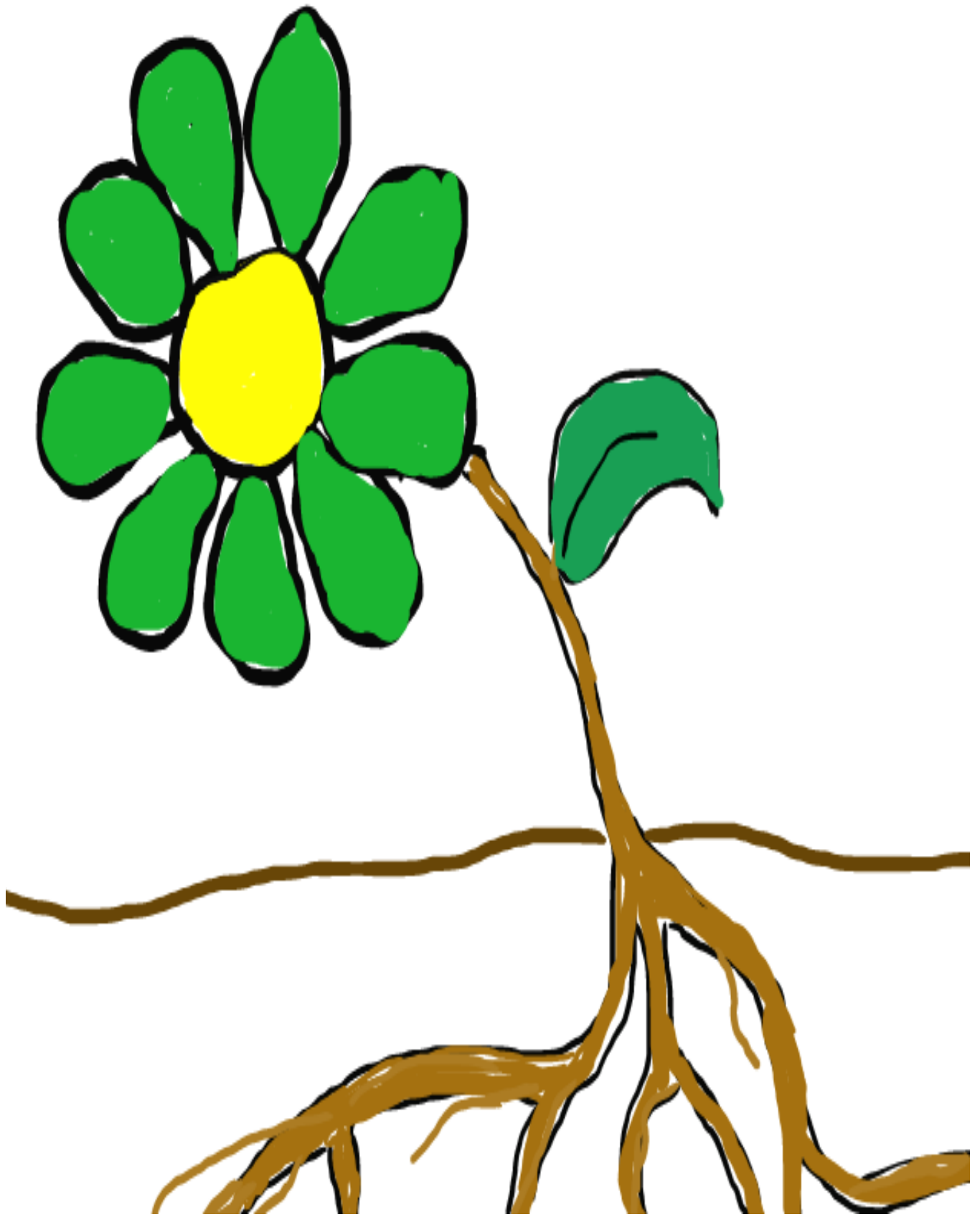
- Watch videos 5, 6, and 7. After watching video discuss ways to save water. Then complete the "[Daily Water Use at Home](#)" activity created by Southwest Florida Water Management District.
  - Watch videos 8 and 9. Pick an animal and list the food that animal eats.
    - Cut and/or print out pictures of the animal and its food.
    - Cut and/or print out pictures of animals that hunt the animal you chose.
    - Create a food web.
      - Do not glue the picture on to paper. Just lay it down and use string or yarn to create the web.
    - Once the food web is complete, remove an animal or plant and see what ramification it has on that web.
- \*\*\* Watch our video for this activity [HERE](#).
- Watch videos 10 and 11. Complete the worksheet [Plant Nutrients](#).
    - Optional – grow hydroponic plant. You can create your own hydroponic kit or purchase one. We purchased one from [Amazon](#).



We chose Bell Pepper and Snap Peas seeds. We will update our progress as the plant grows.



- Watch videos 12 and 13. Play the PBS game "[Jungle Jeopardy](#)".
- Take the [Plant](#) Nutrients - Answers





Quiz. Also, available on [Kahoot](#).

## WORKSHEETS AND QUIZ

1. Classifying Organisms
2. Food Chain Guide
3. Food Chain – Your Turn
4. Plant Nutrients
5. Plant Nutrients - Answers
6. Printable quiz (also on [Kahoot](#))
7. Quiz - Answers

## OTHER LESSON PLANS

1. [Archeology and Early Humans](#)
2. [Math Lessons](#)
3. [Engineering Process](#)

# CLASSIFYING ORGANISMS

**CARNIVORES**

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**OMNIVORES**

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**HERBIVORES**

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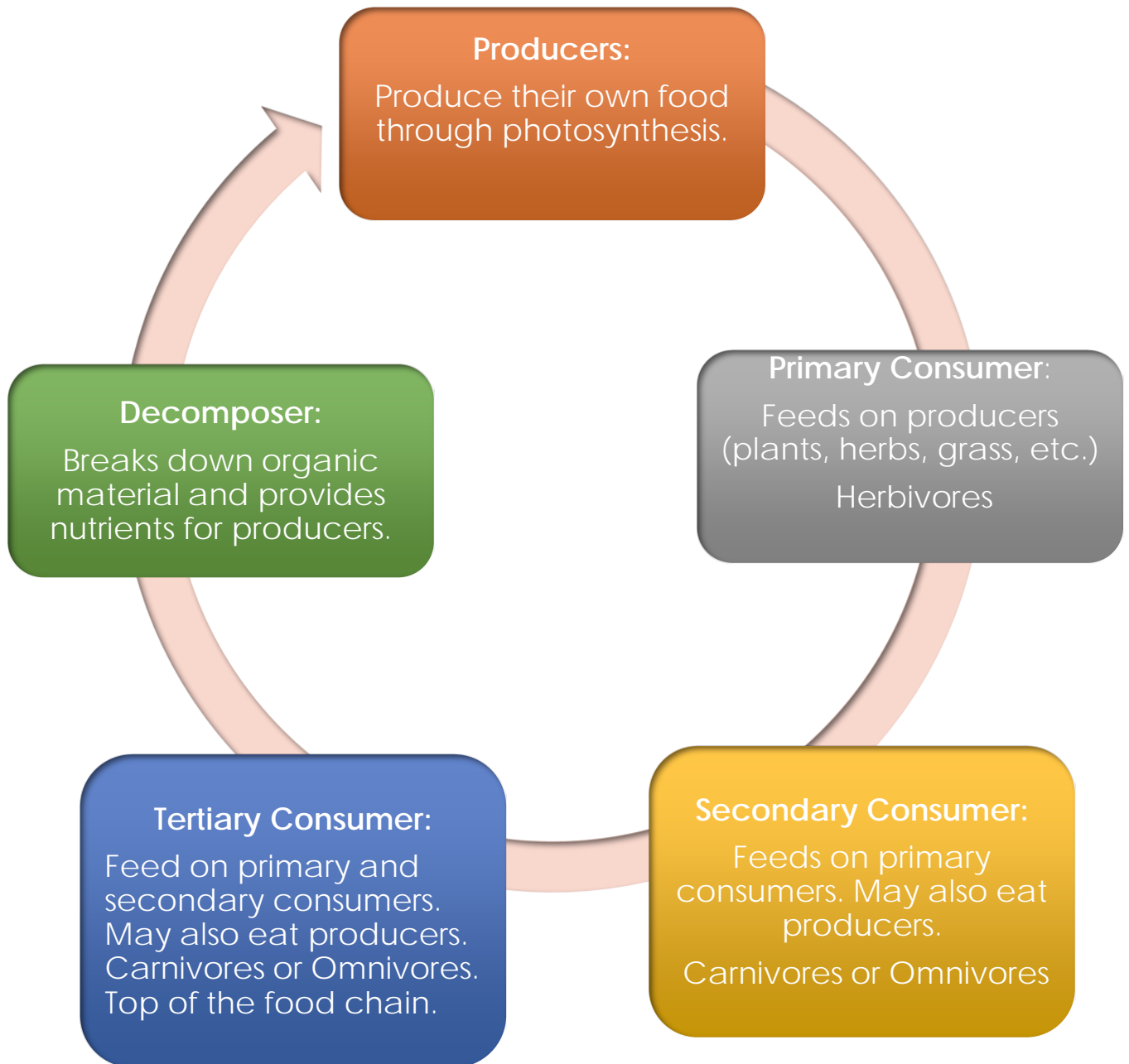
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## FOOD CHAIN GUIDE



## FOOD CHAIN – YOUR TURN

Write down names of producers, animals, and decomposers in the correct section. Cut out the section and glue on to construction paper. Cut out the circles and attach to arrows.

**PRODUCERS**



A large dashed circle is centered on the page. Inside the circle, the text "PRIMARY CONSUMERS" is written in a bold, blue, sans-serif font. The circle is composed of a series of small dots and short dashes. The text is positioned in the upper-middle part of the circle.

**PRIMARY CONSUMERS**

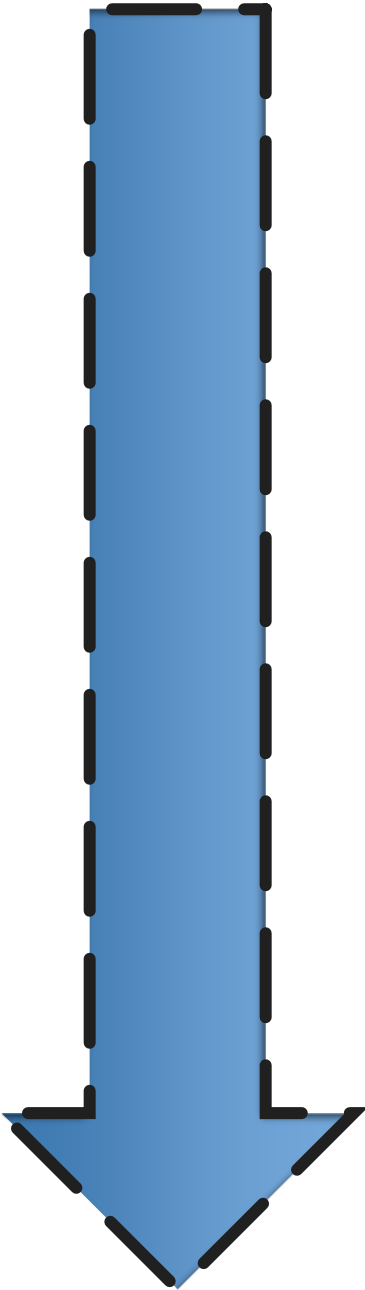
**SECONDARY CONSUMERS**

TERTIARY CONSUMERS

**DECOMPOSERS**



Print 5 arrows.



## PLANT NUTRIENTS

Cut and paste the words listed below to the plant.

Chlorophyl

Stomata

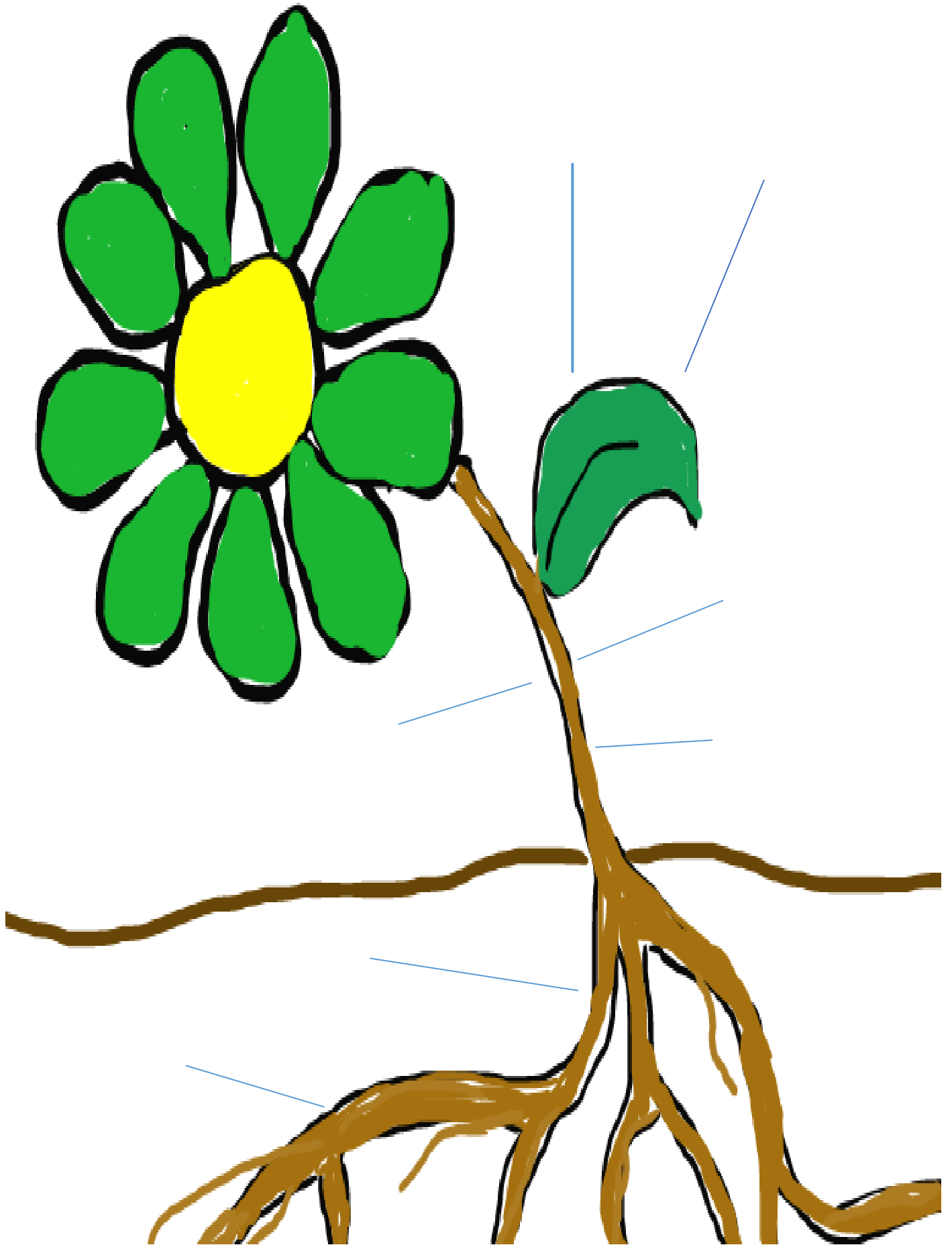
Nutrients

Water

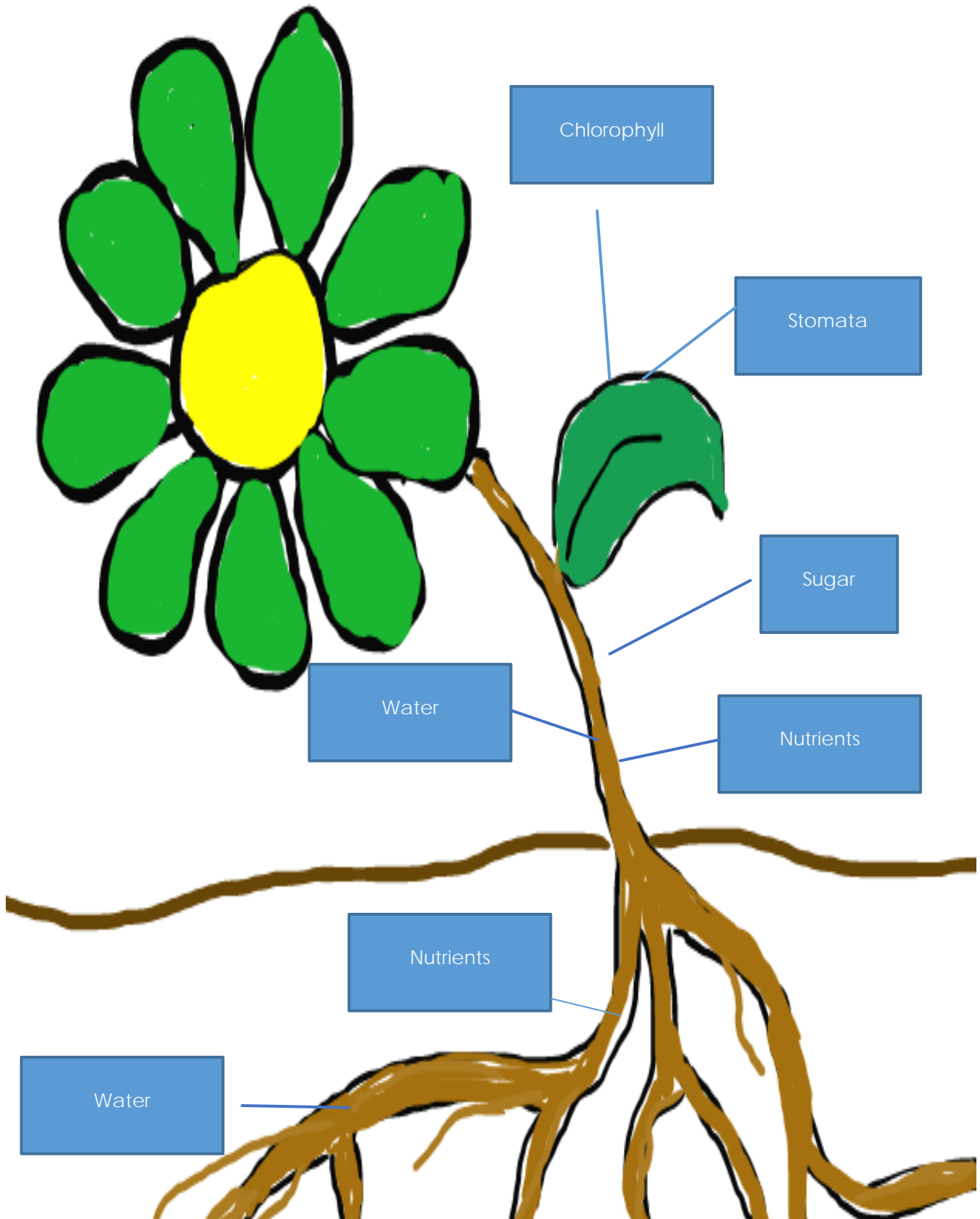
Sugar

Water

Nutrients



# PLANT NUTRIENTS - ANSWERS



## QUIZ

1. \_\_\_\_\_ make their own food through photosynthesis.
2. \_\_\_\_\_ eat producers (herbivores).
3. \_\_\_\_\_ eat consumers and can also eat producers (omnivore/carnivore).
4. \_\_\_\_\_ are at the top of the food chain (omnivore/carnivore).
5. \_\_\_\_\_ break down organisms into nutrients.
6. Energy and water is needed to \_\_\_\_\_.
7. \_\_\_\_\_ percent of the earth's water is freshwater.
8. \_\_\_\_\_ percent of earth's freshwater is accessible.
9. Omnivores eat \_\_\_\_\_.
10. Carnivores eat \_\_\_\_\_.
11. Herbivores eat \_\_\_\_\_.

## QUIZ - ANSWERS

1. **Producers** make their own food through photosynthesis.
2. **Primary Consumers** eat producers (herbivores).
3. **Secondary Consumers** eat consumers and can also eat producers (omnivore/carnivore).
4. **Tertiary Consumers** are at the top of the food chain (omnivore/carnivore).
5. **Decomposers** break down organisms into nutrients.
6. Energy and water is needed to **live**.
7. **3** percent of the earth's water is freshwater.
8. **1** percent of earth's freshwater is accessible.
9. Omnivores eat **plants and animals**.
10. Carnivores eat **animals**.
11. Herbivores eat **plants**.