

Student Link

Lesson Activity for Grade 7 (Science: Real Trees)

Student Name: _____

INSTRUCTIONS

In this activity you will learn the story and science of plants.

1. Click on **Grade 7, Science**, and select "**Real Trees 4 Kids**" from the second column.

Science for Grade 7			
Interaction and Ecosystems	Plants for Food and Fibre	Heat and Temperature	Structure and Form
<ul style="list-style-type: none"> Eco Terminology Canada's Ecosystems Ecosystems Biomes, Ecosystems Natural Resources Ecosys. of our World Global Warming Hintar. Who's Who 	<ul style="list-style-type: none"> Great Plant Escape DS: Food for Thought NBII: Botany Botanists in Training Photosynthesis Expl. Real Trees 4 Kids Plant Nutrition Monoculture 	<ul style="list-style-type: none"> Boiling Water Demo Heat and Substances Transmission Geothermal Heating Temperature How a thermos works Heat Transfer Modes Viscosity 	<ul style="list-style-type: none"> Building Big May the Force Great Buildings Building Structures Strength vs. Weakness Center of Gravity Toothpick Structures Geodesic Domes

From the website, can you explain what a **heterotroph** is?

2. Scroll down to the "**Word**" section. Click on the picture to learn about the different parts of **Photosynthesis**. What is Photosynthesis? Why is light important to plants?

"putting together with light"
photo + synthesis = photosynthesis
Click on a word in the sentence to learn more about the meaning of photosynthesis.
© 2009 The National Christmas Tree Association

3. Scroll further down the page to "**The Process**". Photosynthesis can be compared to a _____?

Click on the tabs to find out more about the photosynthesis process. What are two products of photosynthesis?

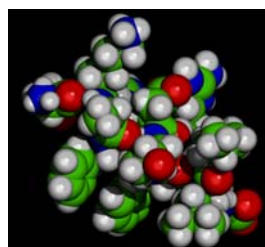
1. _____
2. _____



Ingredients	Steps	Notes
Light Energy - from the sun		
Water - gathered by the roots from the soil		
Carbon Dioxide - from the air		
Chlorophyll - found in the cells of green plants		

Keep reading "**About the Ingredients**"...

Describe what a molecule is.

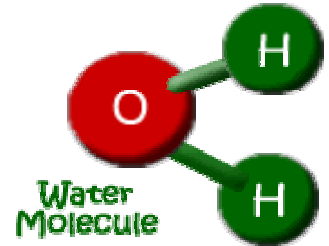


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How many molecules is water made up of? Can you name the formula?

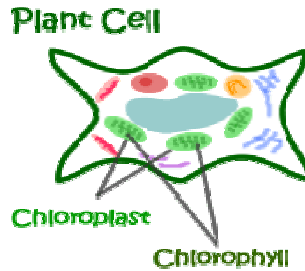
of Molecules _____

Formula Name: _____



How many molecules is carbon made up of? _____

How does a plant make the food it needs (hint: what makes plants green)?



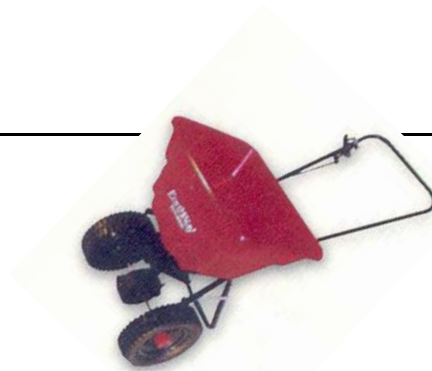
4. Now, click on the back button until you get back to the **Grade 7 StudentLink Science** page. Then click on **"Plant Nutrition"** in the second column.

Click on **"Fertilizer Label"**.

Why do you think we use fertilizer? Why do plants sometimes need help to grow?

What do the three bold numbers on a bag of fertilizer represent?

- a)
- b)
- c)



- Kidsworld Home
- Plant Nutrition
- Plant Nutrients
- Soil Testing
- Fertilizer Label
- Lawn & Garden Tips
- Puzzle Game
- Coloring Book
- Quiz
- Links
- Nutrition
- Food Safety
- General Ag & History