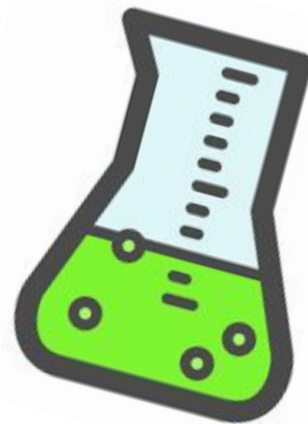




The Science Of Growing Your Own Food!

By Xavier Nevarez

7th grade!



Why should I grow my own food?



It's a great idea to grow your own food. For one, it saves you lots of money. According to the article called **How To Grow Your Food: 8 tips to get started on backyard gardening**, growing your own food cuts back on grocery bills and makes you more healthy. When you grow your own food, it's healthier than the ones at the store because when you grow it, there is no preservatives and other chemicals in it.



How do I grow your own food?

Growing your own food is very simple. Follow these easy steps to learn how to grow your own food!

Go to the next
slide for a quick
tutorial!



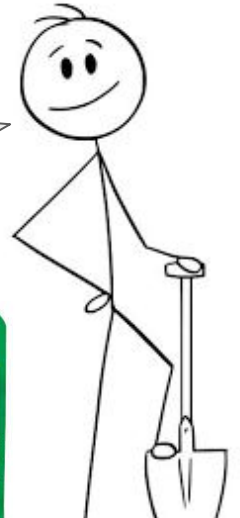
Getting started!

Your first step is to get some seeds! You can get seeds from a fruit or vegetable. If you want to buy seeds or a small plant, you can go to home depot or any other local store that has some. If available at your store, make sure to get some pots and some potting soil! You can also get free seeds at your local library!



Tip!

We highly recommend for you to get some **Miracle gro garden soil and potting mix!** It works really well for plants!



planting!

seeds



If you are starting from seeds, you should plant them in small pots and give them a couple of squirts of water from a spray bottle every day. (if you don't have any small pots, egg cartons work great too!)

Soon these seeds will sprout and turn into small plants. Once this happens, put them into larger pots they can grow even bigger!



small plants

Small plants are a bit easier to take care of than seeds because they already sprouted. These small plants also might start to grow little fruits and flowers. You can also water small plants a bit more than seeds

If the pot that they came with is too small for the plant, put it into a bigger pot!



Make sure your plant...



- ...gets enough sunlight
- ...gets water every day
- ...gets checked on often
- ...is not nearby any weeds
- ...is healthy
- ...has a big enough pot
- ...does not have any pests

If you follow these simple steps, your plant will start to transform into a healthy matured plant!



Harvesting plants!

Once your plants grow fruits and vegetables, check if they are ready to pick. If they are ready, carefully use clippers or scissors to trim off the fruit or vegetable! An article called **harvest time: What you should know about harvesting high value crops for maximum potency and yield**, says that you must be careful and make sure that you don't harvest your plants too soon because if you harvest it too early, all your hard work might be for nothing after getting an unripe fruit or vegetable.



(a)



(b)



(c)



(d)

Gardening tips!



There are many good tips for growing your own food! For example: if its raining, you should water less. If it's hot and sunny, you should water more.

If you are starting from seeds, before planting them, make sure to soak them in a small cup of warm water overnight. This step is optional but it boosts their growing speed!

An article called **10 Top Gardening Tips For Beginners**, says that you should put your plants in a area near a water source for easy access to watering.

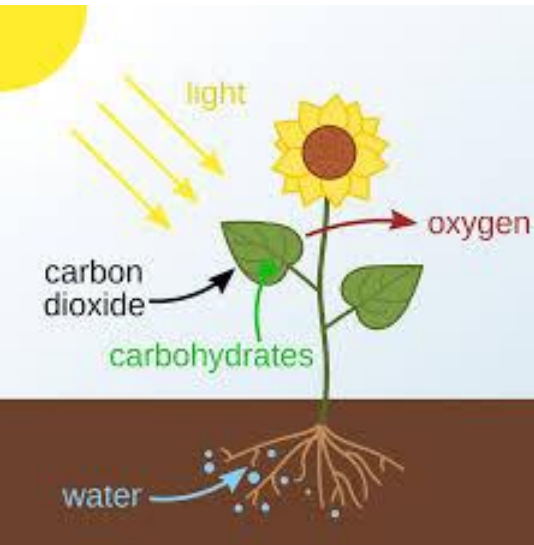
Make sure your plants are in a warm sunny space outdoors or indoors!

(also check how long or if your plants need to be exposed to sunlight)



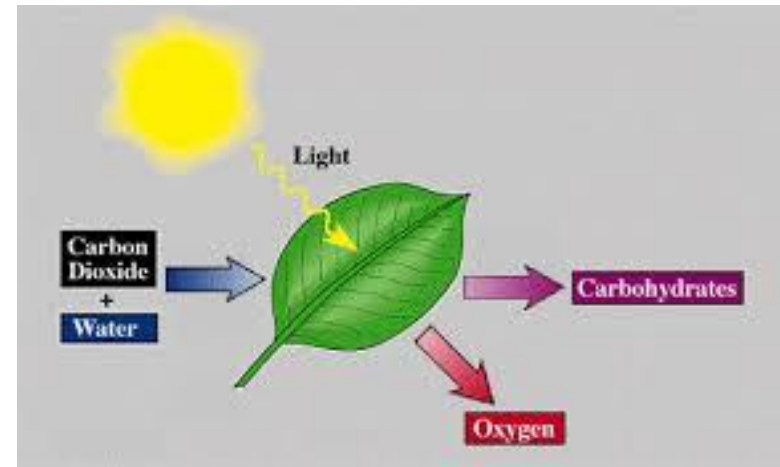
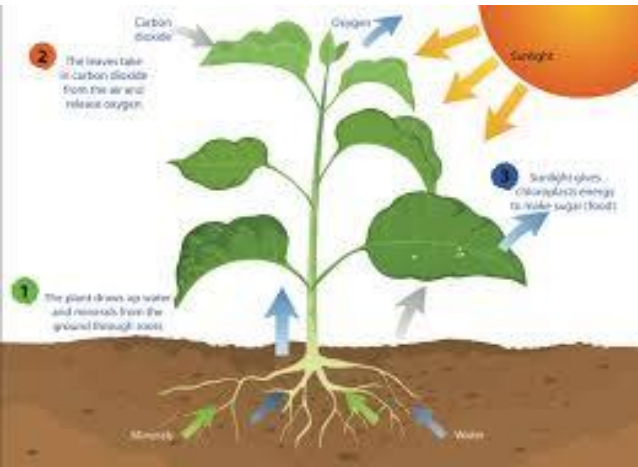
Wait...how do plants even grow in the first place?

I hope you learned enough about how to grow plants, but how do plants even grow in the first place? Well, there are certain zones in the plant where it grows. It uses many different chemicals to grow its stem, roots, and other parts. when you water a plant, it uses it to transport nutrients, cool off, and for photosynthesis.



Photosynthesis

What is photosynthesis? Photosynthesis is the process where plants turn sunlight into energy to keep them alive. The process starts with the plant getting carbon dioxide, water, and sunlight. Then it turns them into oxygen and carbohydrates. Photosynthesis is very important because it turns used air into new air for us to breathe!



The end!

Thank you for watching my slideshow and good luck with growing your very own food!



Remember...
You can also get free
seeds at your local library!

Bonus slide!



How to make DIY pesticide!



Don't worry! This pesticide is 100% safe and environmentally friendly!



There are many ways to make DIY pesticide but the easiest is to use soapy water. First fill a spray bottle with water. Then put in some soap and shake. Finally if your plants have lots of pests, spray some all over the plant to make them go away!



My plants!

