



LEAFY LESSONS

Fill out the worksheet to discover the growth and changes of plants, with us, and in your neighbourhood. Print this document or grab a notebook and pencil to complete on your own!

Activity 1: Plants Provide

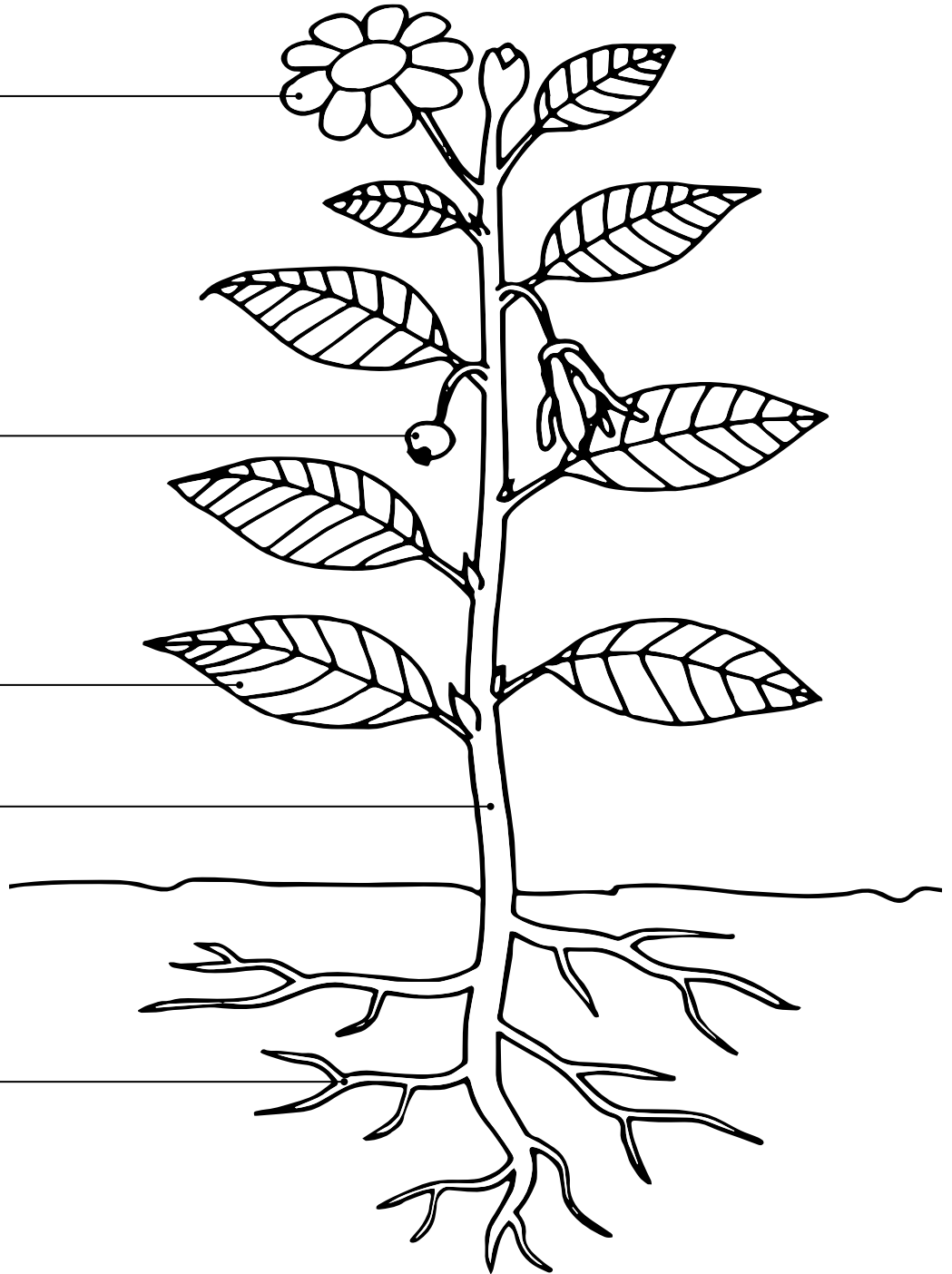
Plants provide us with many things!
In the list below, check off each item that plants provide us with.

- | | |
|--|---|
| <input type="checkbox"/> Shelter materials for humans | <input type="checkbox"/> Building supplies |
| <input type="checkbox"/> Oxygen | <input type="checkbox"/> Habitats for animals |
| <input type="checkbox"/> Dyes for clothing | <input type="checkbox"/> Electricity |
| <input type="checkbox"/> Shelter materials for animals | <input type="checkbox"/> Medicine |
| <input type="checkbox"/> Shade | <input type="checkbox"/> Food for living things |
| <input type="checkbox"/> Clean water | <input type="checkbox"/> Fuel |
| <input type="checkbox"/> Clothing materials | <input type="checkbox"/> Opportunities for exploration |
| <input type="checkbox"/> Decoration | <input type="checkbox"/> Removal of carbon dioxide from the air |
| <input type="checkbox"/> Secure soil for erosion | <input type="checkbox"/> Metals |

Activity 2: Parts of a Plant

Label the parts of the plant. Use the words below and assign them to the correct part. Watch out—some words are there to trick you!

Words: **seed, pollen, root, needles, sunlight, flower, stem, leaf, flower**



Activity 3: Photosynthesis

“Photo” comes from the word photon, meaning energy from the sun.

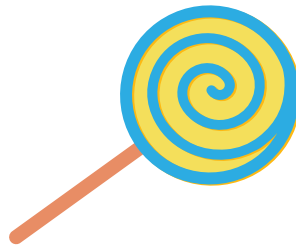
“Synthesis” means to make something.

Plants are able to produce energy in the form of sugar. They are able to change energy they get from the sun into a source of food for themselves and others. In addition to sunlight, they also need carbon dioxide and water from their environment to help make this process happen. In the process, plants also create oxygen for us to breathe!

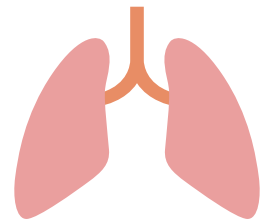
Can you put these items in the equation to make photosynthesis happen?



SUN



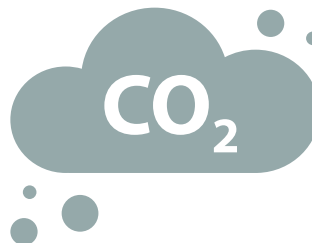
SUGAR (ENERGY)



OXYGEN



WATER



CARBON DIOXIDE

Write the items in the spaces provided to complete the equation below!

_____ + _____ + _____ = _____ + _____

Activity 4: Making Connections



Using the statements below, put each statement into the correct category.

1. I change colour.
2. I use photosynthesis.
3. I am a pinecone.
4. I lose my leaves in the fall.
5. I am green all year.
6. I am an acorn.
7. I am a tree with needles.

DECIDUOUS:

BOTH:

CONIFEROUS:

Activity 5: Seed Hunt



VIDEO CONNECTIONS:

Watch the video to complete the challenge below.
You can find the video posted here:

facebook.com/TorontoConservation/videos

THE CHALLENGE:

Your seed hunt can take place in
your backyard, courtyard, front
lawn, garden bed, on your street,
or even in your fridge!

WHERE WAS THE SEED FOUND?	CAN YOU NAME THE PLANT IT CAME FROM?	WHAT ANIMAL WOULD LIKE THIS PLANT?