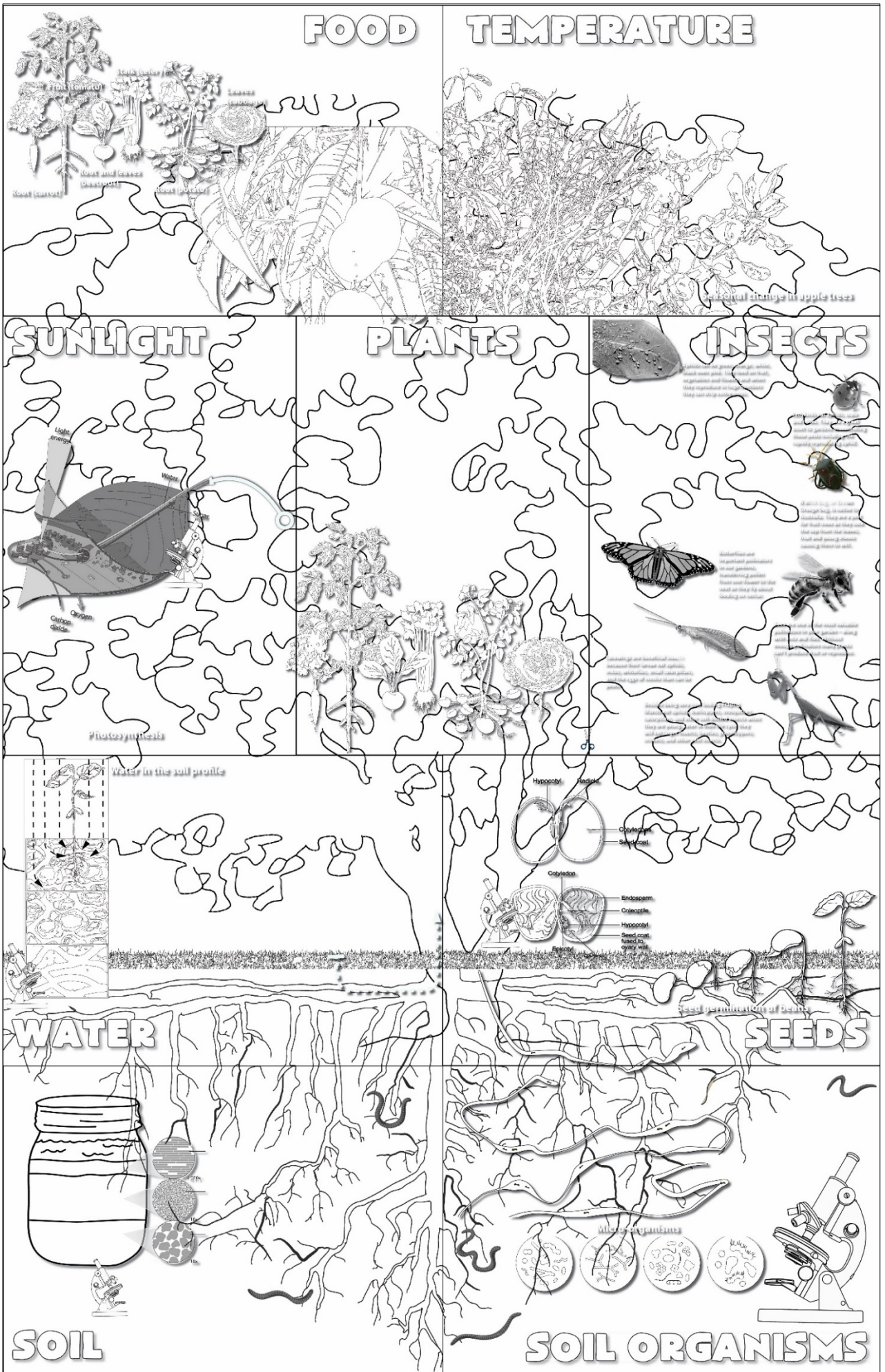




# GROWING LITERACY

STEM Garden learning for Stage 1

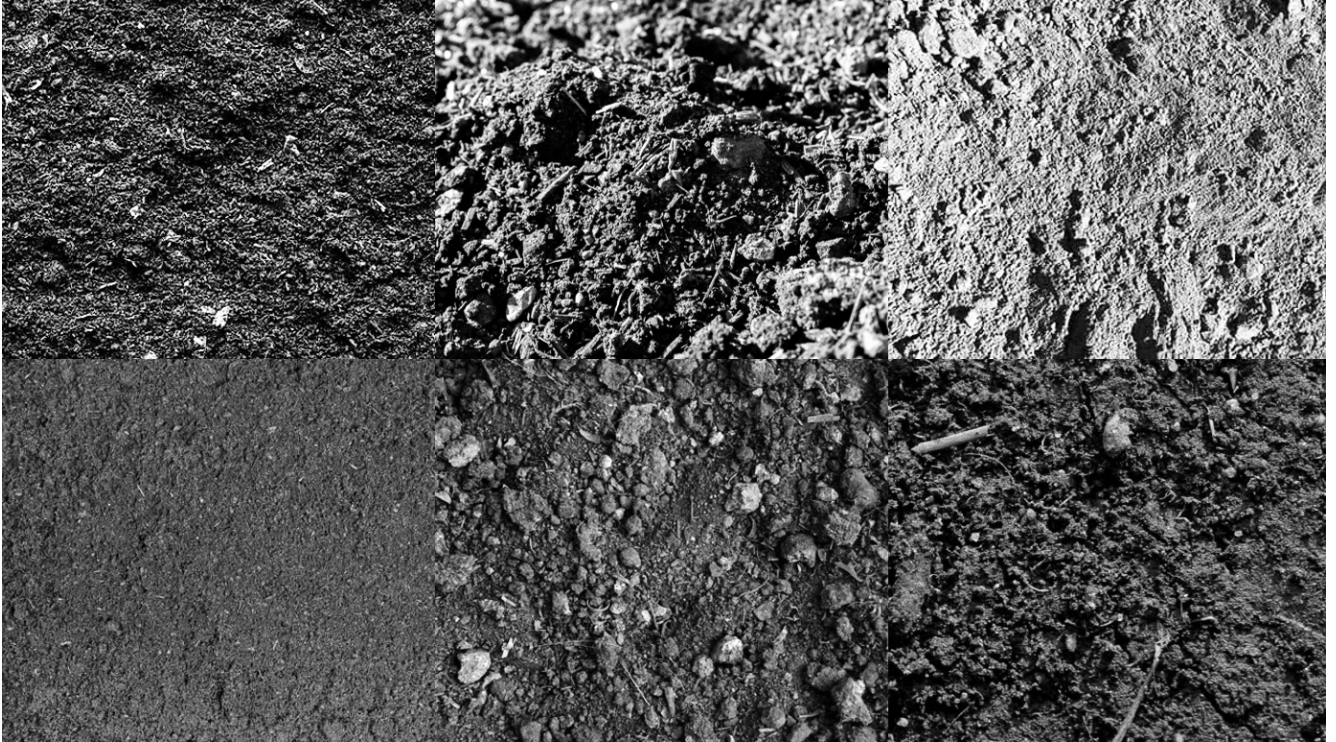
Name: \_\_\_\_\_



# IS SOIL ALL THE SAME?

Do you think all soils are the same? ☐ Yes ☐ No

Look at these pictures, do the soils look the same? ☐ Yes ☐ No



Describe how these soils are different (look at the colour picture in the PowerPoint presentation). Think about the colour and texture, how do think they would feel? There are some words that might help you to describe the soil in the box.

Sandy / smooth / rocky / fine / coarse / reddish / pale / dark / loose /

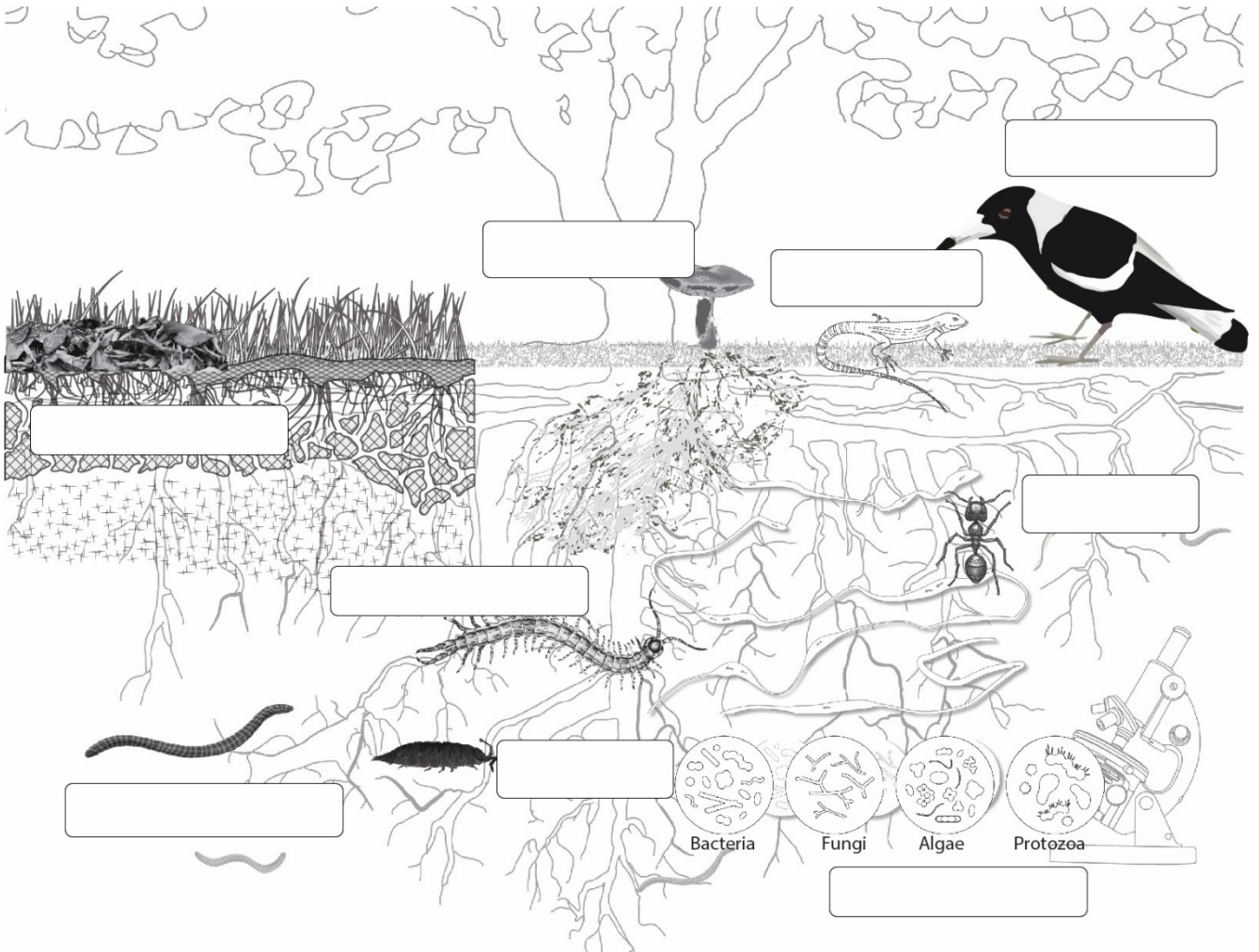
---

---

---

# WHO LIVES IN THE SOIL?

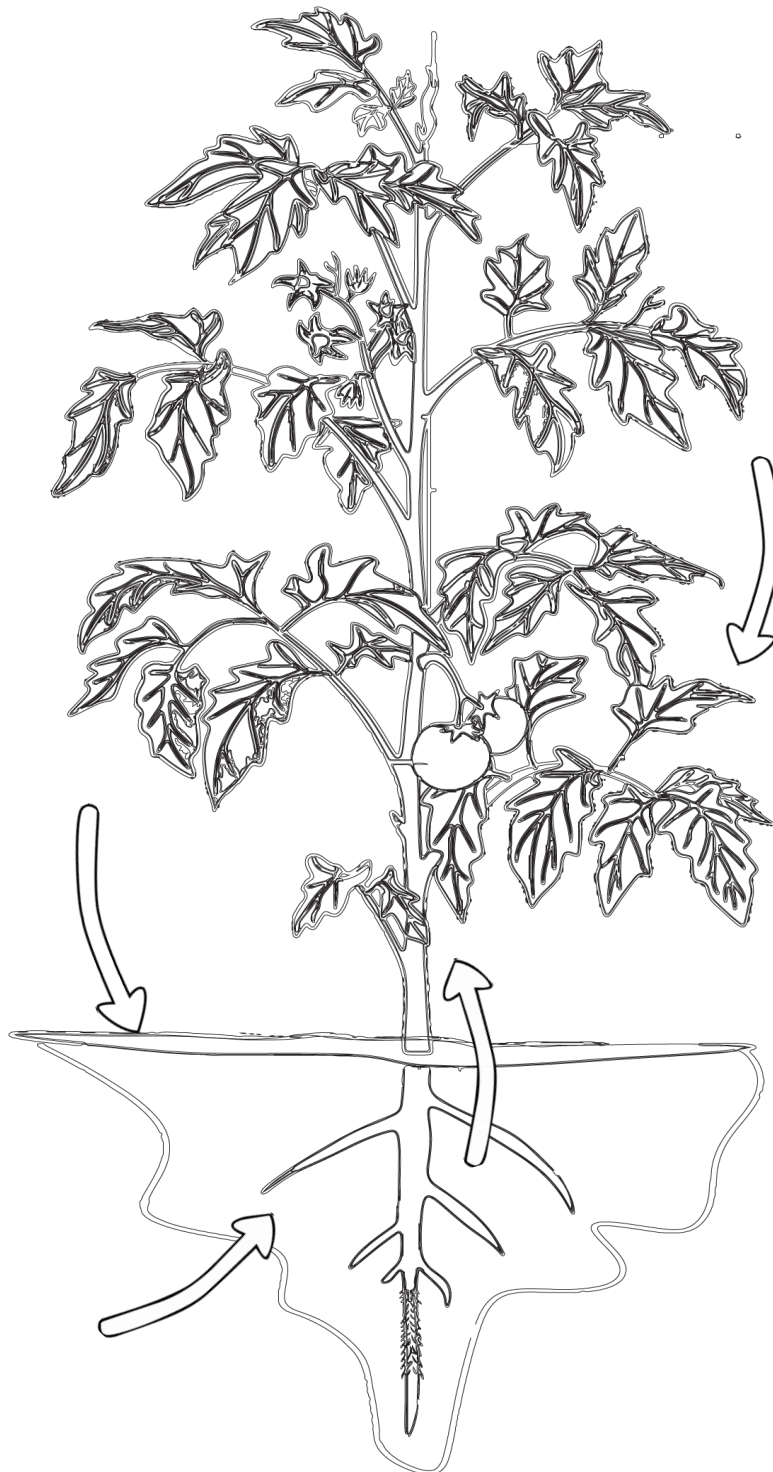
Label the living things in this soil.



Centipede – organic matter – ant – beetle – microorganisms – worm –  
slater – bird – reptile – fungi

# WATER FOR GROWING

Colour the arrows that show the path water takes into a plant.  
Draw some of the ways water might get to this plant for example rain,  
watering can, sprinkler.



# SEEDS

Seeds produced by plants grow into new plants. The new plant looks similar to the original. Match these seeds with the plant they will grow into...

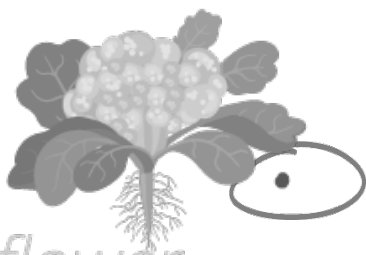
Pea



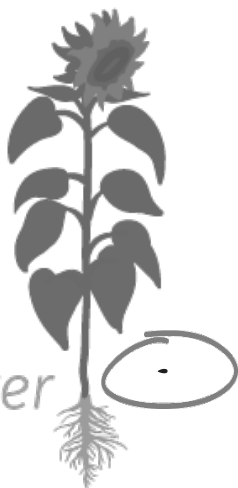
Carrot



Cauliflower

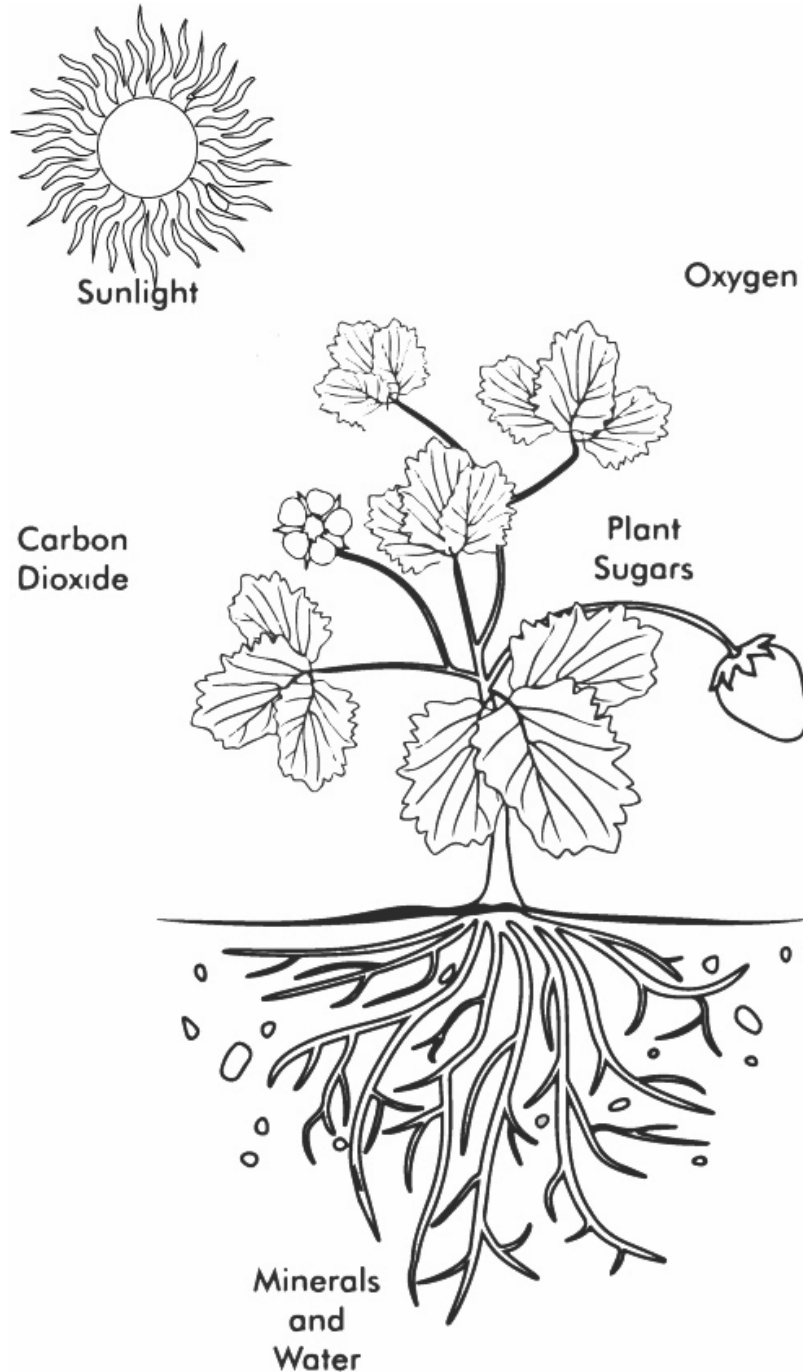


Sunflower



# SUNLIGHT

Add arrows to this diagram to show which parts the plant uses and which parts the plant produces.



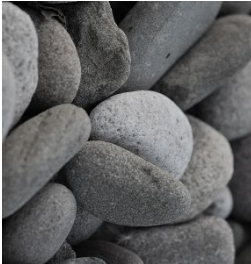
Why do plants need sunlight?

---

---

# PLANTS

Which of these pictures are plants? Tick the boxes to help you decide.



- ☐ Was born
- ☐ Grows
- ☐ Can interact with other living things
- ☐ Can reproduce
- ☐ Can die



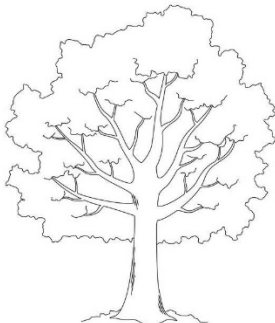
- ☐ Was born
- ☐ Grows
- ☐ Can interact with other living things
- ☐ Can reproduce
- ☐ Can die



- ☐ Was born
- ☐ Grows
- ☐ Can interact with other living things
- ☐ Can reproduce
- ☐ Can die



- ☐ Was born
- ☐ Grows
- ☐ Can interact with other living things
- ☐ Can reproduce
- ☐ Can die



- ☐ Was born
- ☐ Grows
- ☐ Can interact with other living things
- ☐ Can reproduce
- ☐ Can die



- ☐ Was born
- ☐ Grows
- ☐ Can interact with other living things
- ☐ Can reproduce
- ☐ Can die

What differences can you see between these plants?

---



---



---



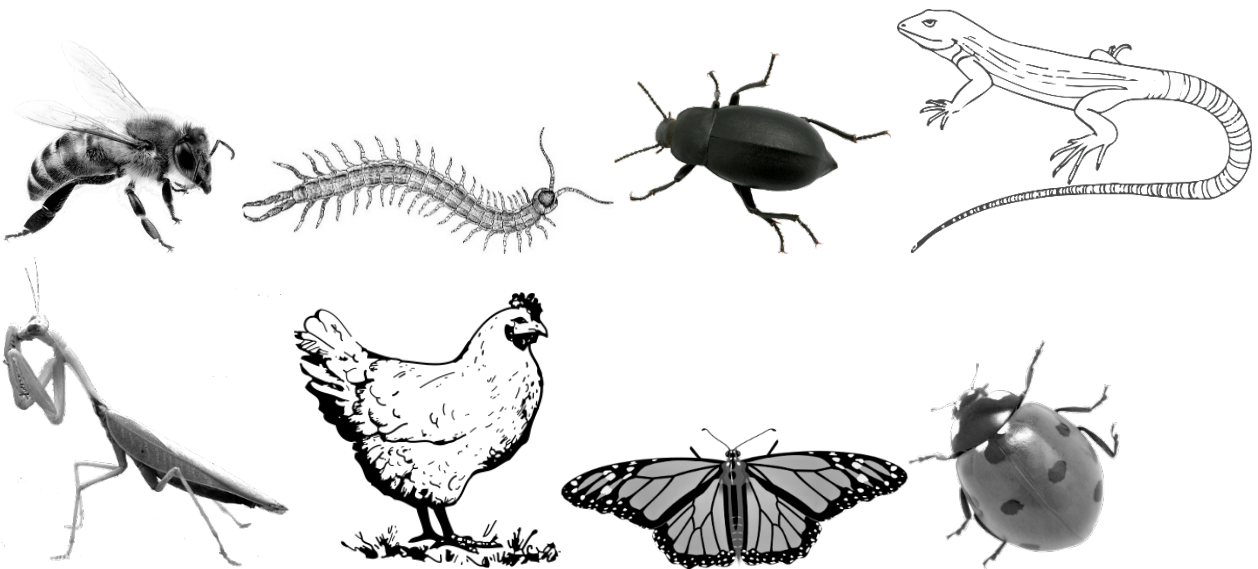
---

# INSECTS, GOOD OR BAD?

Insects are animals that have:

- ☐ three main body parts,
- ☐ no internal skeleton – no bones, they have a shell (exoskeleton),
- ☐ up to three pairs of legs,
- ☐ one pair of antennae on their head
- ☐ most have one or two pairs of wings.

Circle the animals below that are insects, you might have to very closely to see the features.



How many different insects did you find in your garden?

---

What were they doing?

---

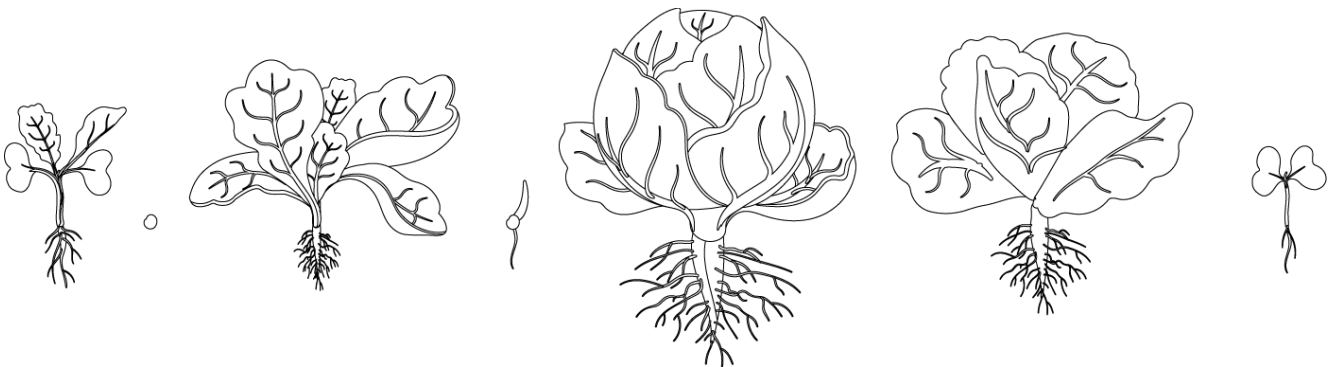
---

# FOOD

Write down the name of the food we get from each of the following plants. Colour the part of the plant that we eat.



Number these pictures of a cabbage, starting with the seed as number 1. Hint: the plant germinates from a seed, then develops early leaves before establishing enough leaves to form the nice round cabbage that we eat.



# GROWING SEASONS

Colour in the time of the year that your favourite foods are ready to harvest.

| Food | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|      |     |     |     |     |     |     |     |     |     |     |     |     |
|      |     |     |     |     |     |     |     |     |     |     |     |     |
|      |     |     |     |     |     |     |     |     |     |     |     |     |
|      |     |     |     |     |     |     |     |     |     |     |     |     |
|      |     |     |     |     |     |     |     |     |     |     |     |     |
|      |     |     |     |     |     |     |     |     |     |     |     |     |
|      |     |     |     |     |     |     |     |     |     |     |     |     |

Is there something available all year-round?

---

Where are your favourite foods grown?

---

---

---

# PLANT TRIAL

Draw a diagram of the set-up of your plant trial in the first box - include labels. Over the next two weeks draw a new diagram twice a week to show how the seeds grow.

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |

Describe what is happening with the plant that has not been growing in sunlight

---

---

Describe what is happening with the plant that has not been getting enough water

---

---

Do you think they will catch up to the other plants when they have the same amount of water and sunlight?

---

---

Describe what you found at the end of the trial.

---

---

---

---

---

---

---

---



# CONGRATULATIONS

.....  
(Name)  
on completing

## AGPATCH: GROWING LITERACY

.....  
(Date)

You have completed the first stage of  
food and fibre explorer training!

