



# LESSONS IN CONSERVATION

SERVING TO SAVE

Gr 6- Lesson 4  
Inspect the insects





# DIVERSITY

On planet earth there are lots of different types of plants and animals. Even the small things, insects and plants, are very important for our environment!

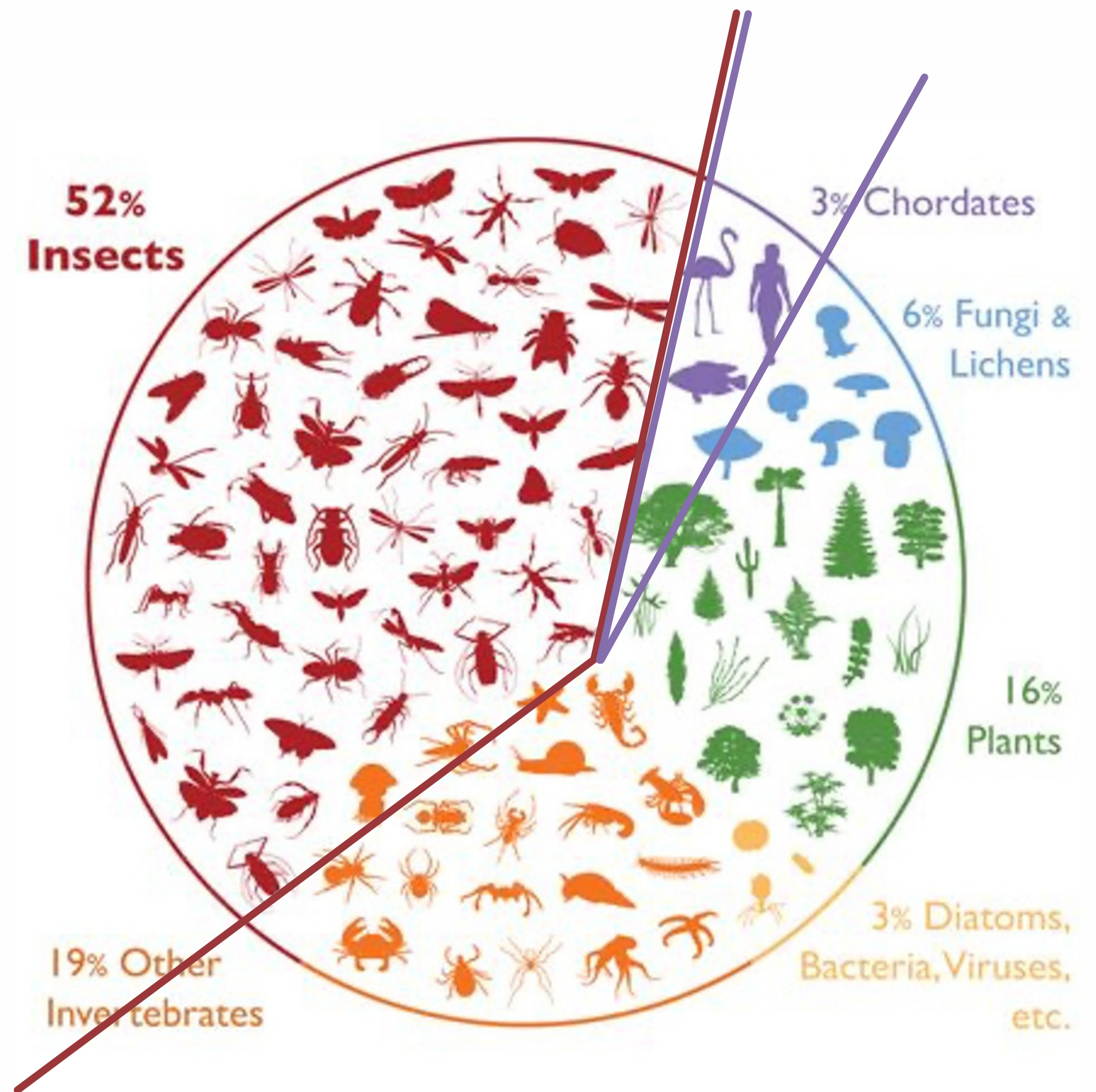


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# INSECTS

There are lots of different species of insects.

Even though they are so small, insects are the most abundant living things on the earth!



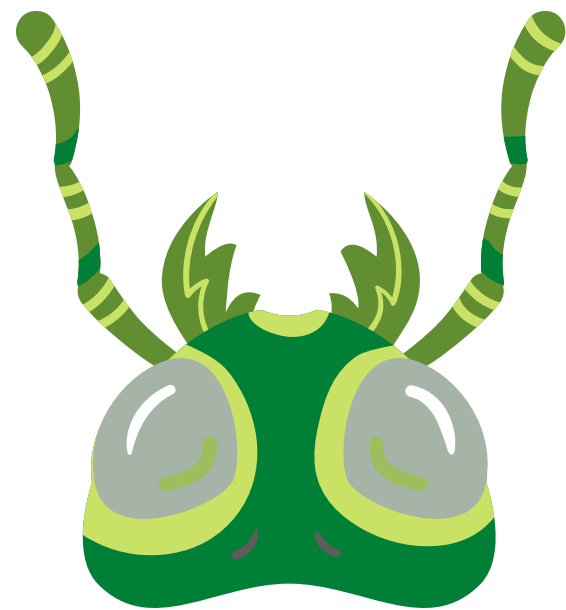
# INSECTS ARE INTERESTING!

- Dragonflies have been on Earth for **300 million years!**
- They also eat on average **30 mosquitos a day** for us!

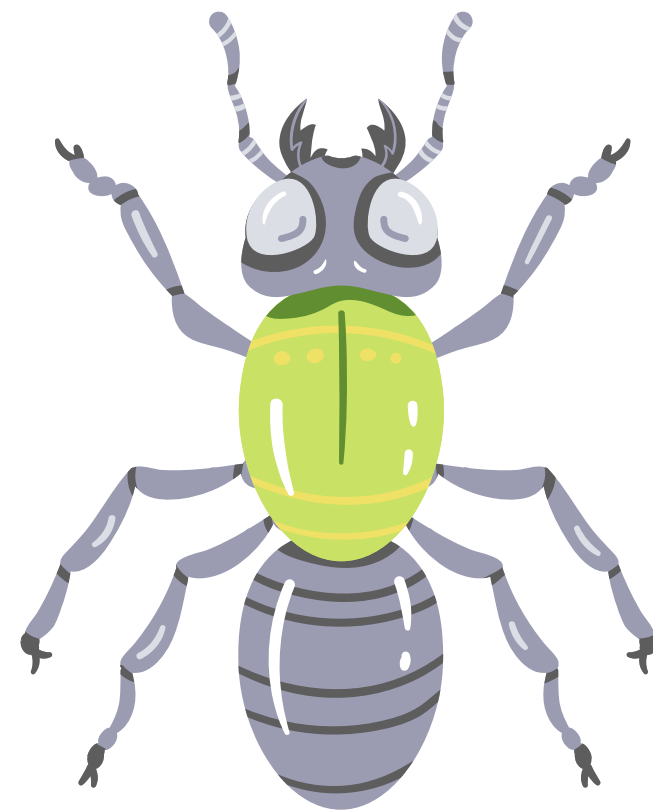


Ladybirds sometimes play dead to avoid predators!

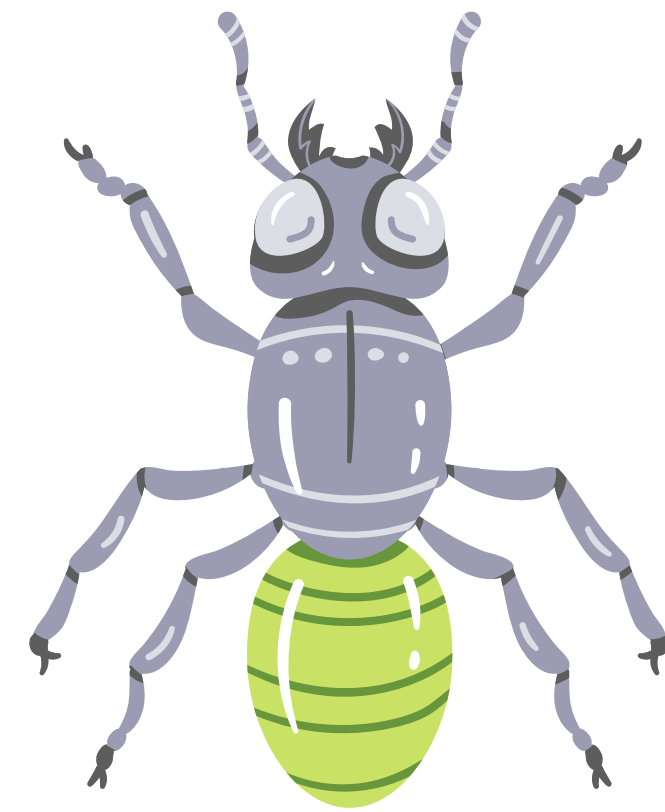




HEAD



THORAX



ABDOMEN



INSECTS HAVE AN

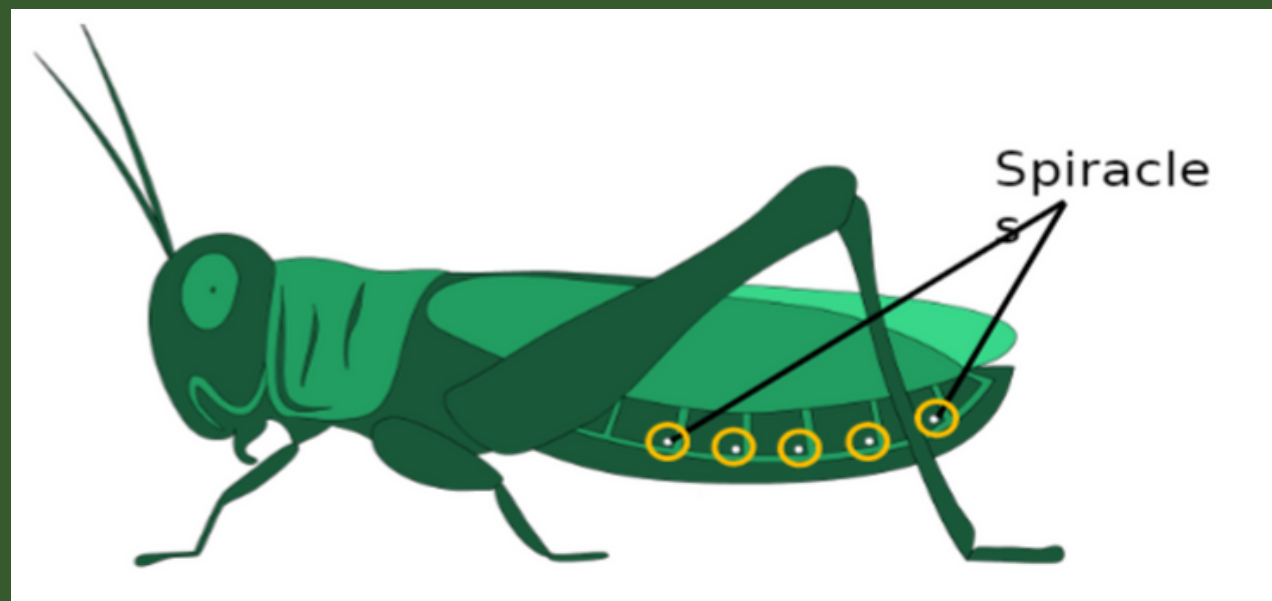
EXOSKELETON



# HOW DO INSECTS BREATHE?



Insects breathe using small holes called **spiracles**.



# WHY ARE INSECTS HELPFULL?

1. Insects play a **large role in the food chain** because they are food for many reptiles, birds, and mammals
2. Insects also serve as a **source of food for people**
3. Most of the fruits and vegetables we like to eat, and also things like coffee and chocolate, we wouldn't have without insects
4. Insects also help to **break down** leaves, dead trees and dead bodies of animals.

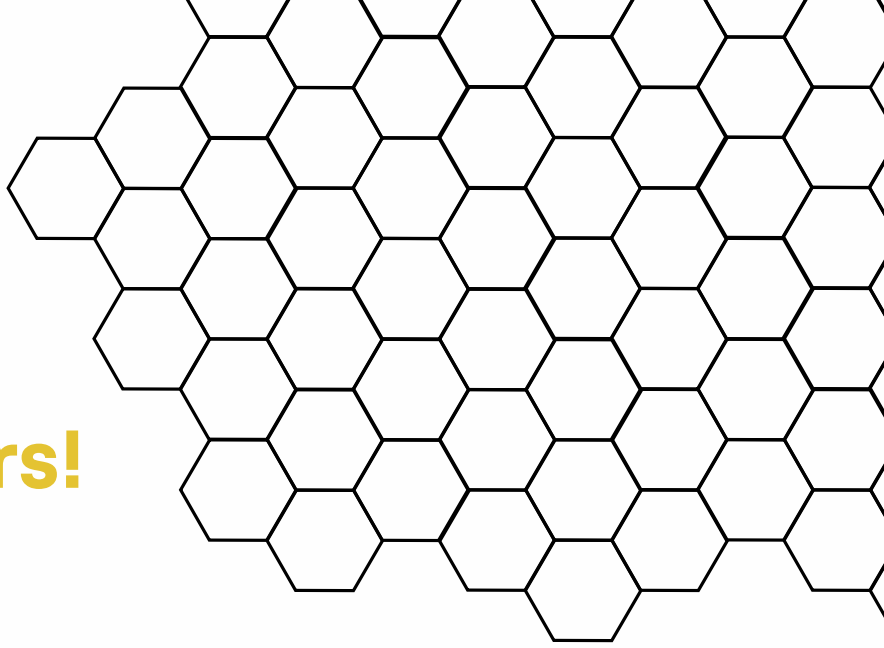






# BEEES



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- Bees are **great pollinators!**
  - There are many **bee products**, eg. honey, bee venom and royal jelly, are effective in reducing the growth and spread of cancerous tumours
  - Bees give us **honey** which is not only delicious, but also has medicinal and antibacterial uses
  - A **single honeybee colony** can produce around **100kg of honey each year** that's like you and two friends!





LET'S WATCH A VIDEO



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# WHAT WOULD HAPPEN IF ALL THE BEES DISAPPEARED?



Bees themselves are also a part of the food chain as many birds and spiders and insects eat bees



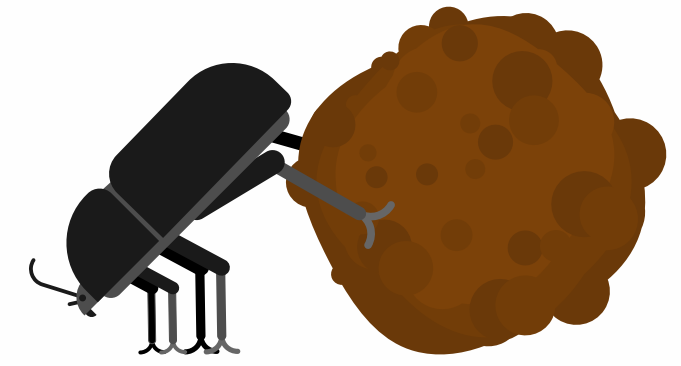
They support the growth of trees, flowers, and other plants, which serve as food and shelter for creatures large and small



Without bees, many plants would have no way to reproduce and die out



# DUNG BEEBLE



- One dung beetle can **drag 1,141 times its weight** – that's like a human pulling six double-decker buses!
- Dung beetles are found on **all continents except for Antarctica**
- They are either "**rollers**", rolling the dung into balls and then burying the balls in soft soil; or "**burrowers**", taking the dung into tunnels directly under the main heap; or "**dwellers**" which actually live in the dung

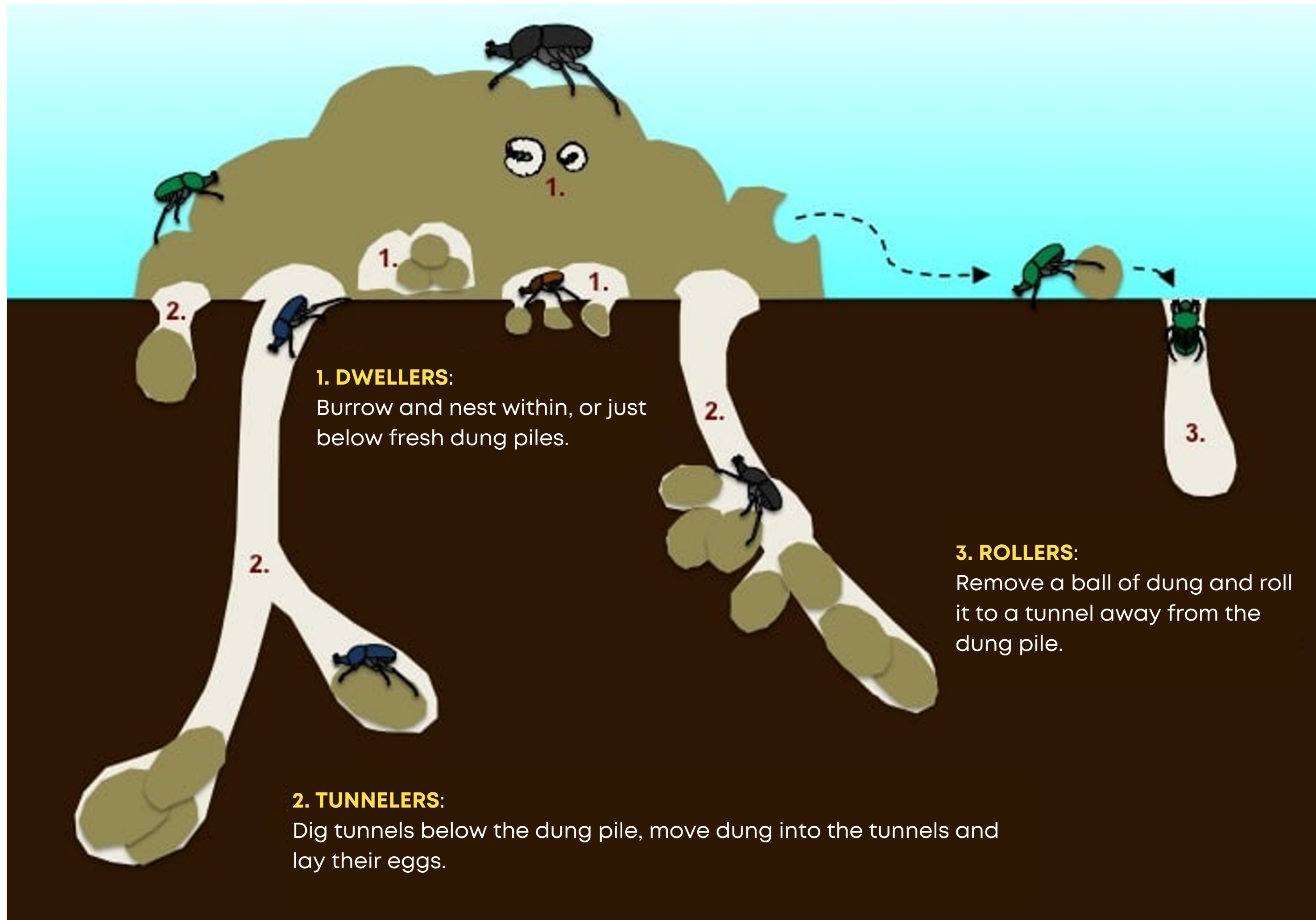




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# HOW DO DUNG BEETLES HELPING THE ENVIRONMENT AND ANIMALS?

1. Dung beetles keep the Earth clean from dung! They are the clean up crew for the bush.
2. The removal of dung also minimizes the number of flies. These beetles are very good at keeping the environment healthy.
3. Dung beetles help plant trees and plants which creates food and shelter within the environment.



# TIME TO BRAINSTORM



You need to make a poster explaining/describing/drawing what our world would look like without insects.

How would the world be different if all insects were to vanish overnight?

Then present to the class.

Your posters will be stuck up in your classroom.





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