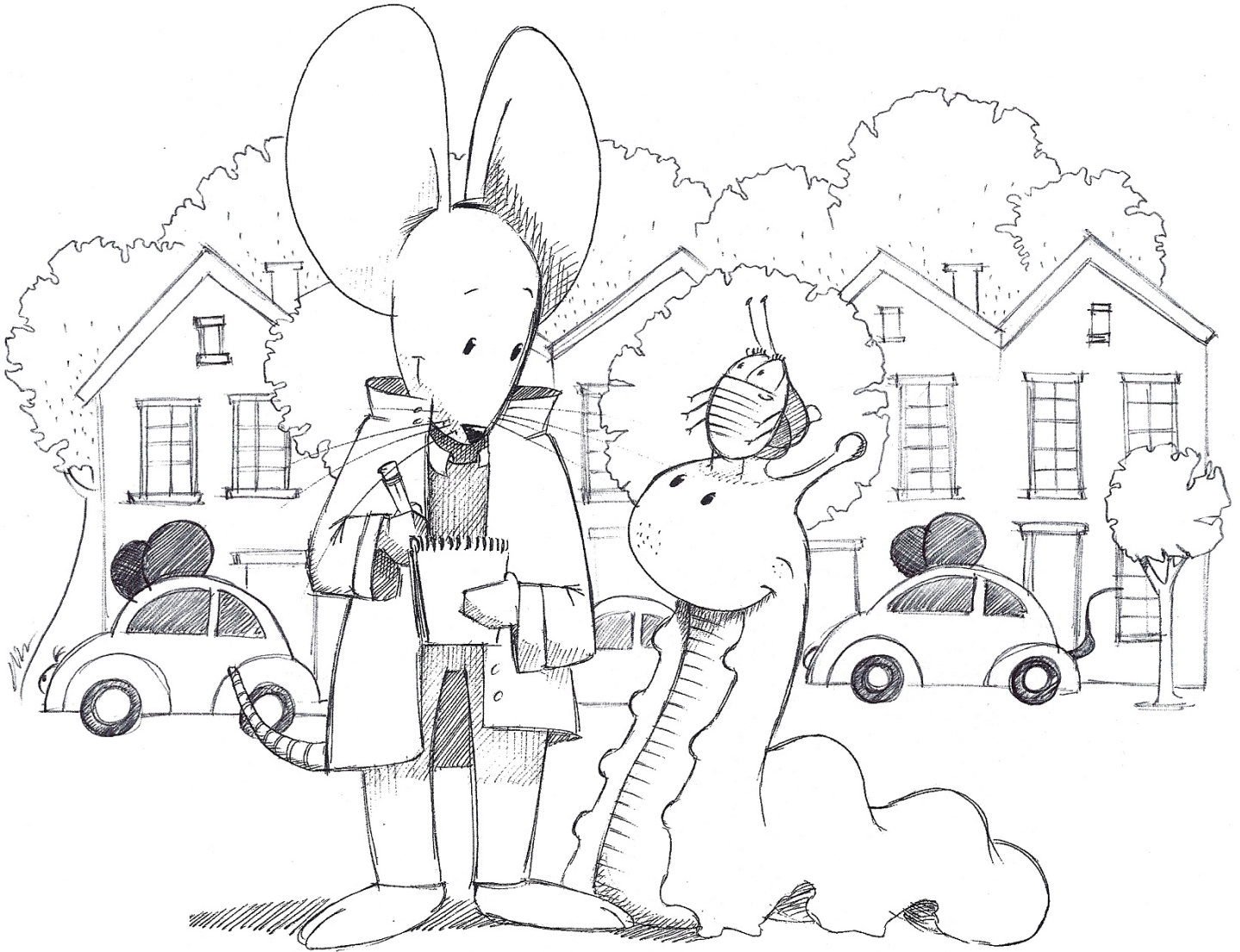




Truly Nolen presents:



# the mouse investigator

Finding out all the fun  
facts about bugs.

Hi kids!

this is mr.

mouse the investigator-

he has a passion for

finding out all the

strange but true bug

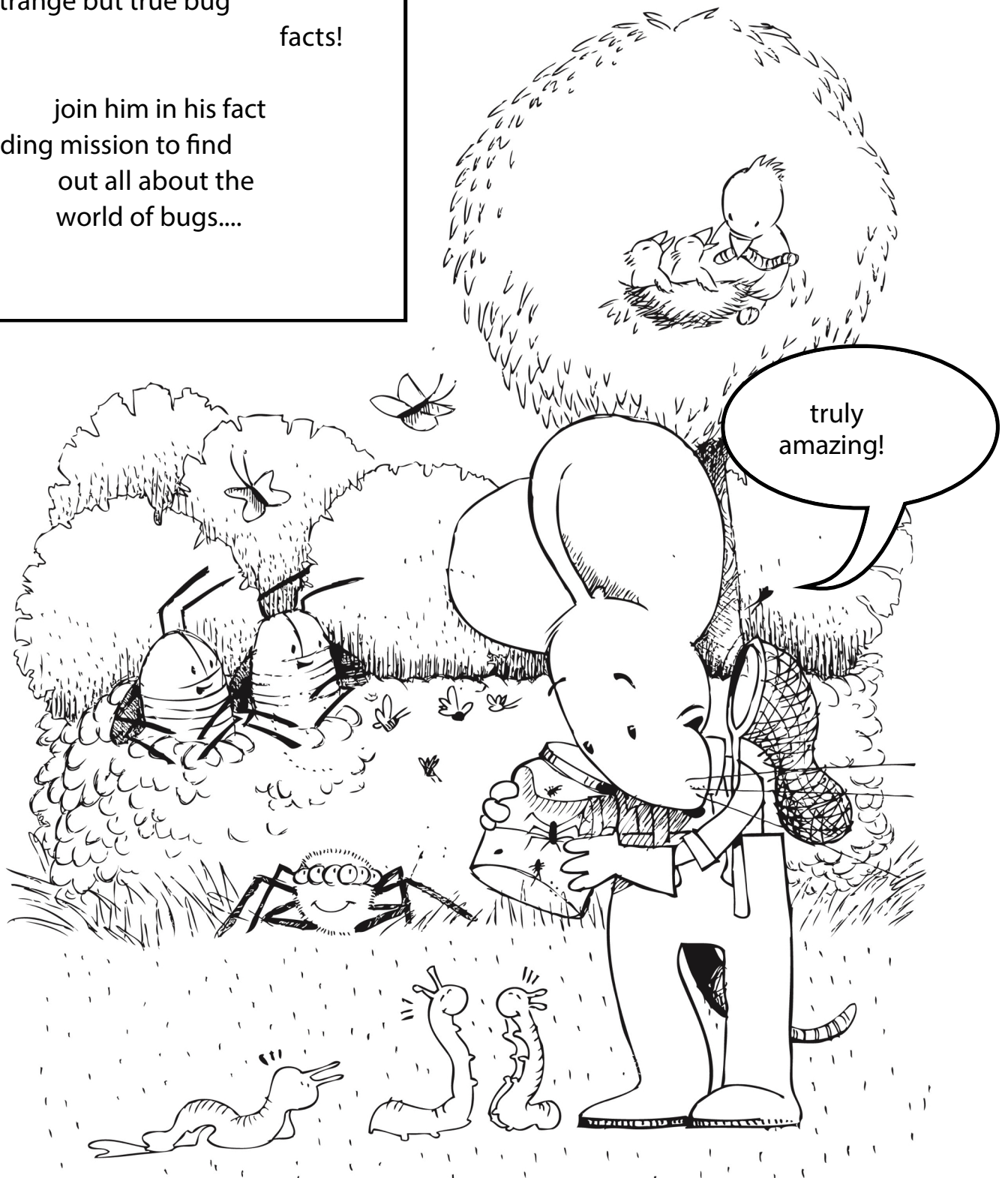
facts!

join him in his fact

finding mission to find

out all about the

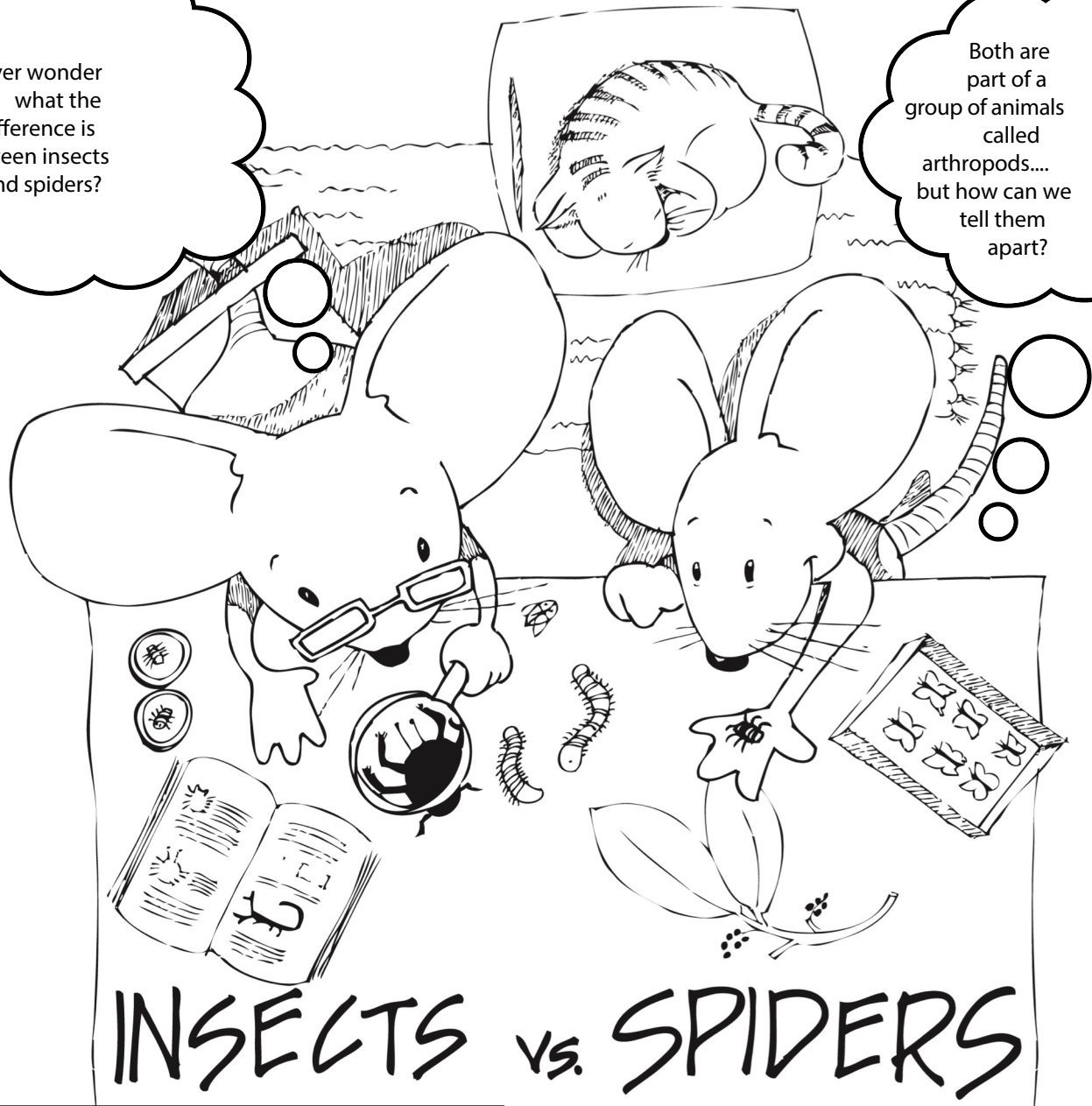
world of bugs....



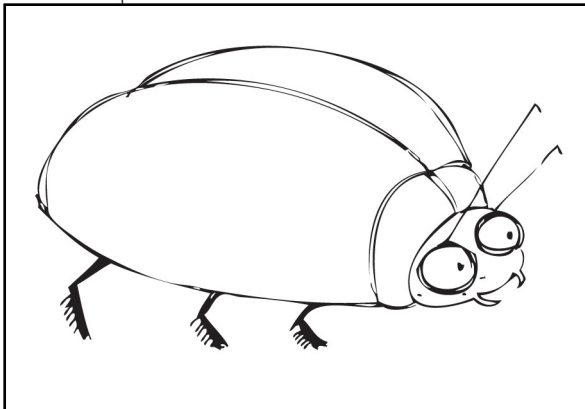


Ever wonder  
what the  
difference is  
between insects  
and spiders?

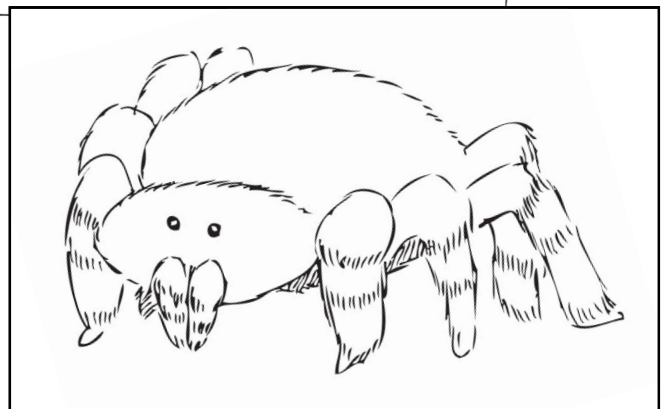
Both are  
part of a  
group of animals  
called  
arthropods....  
but how can we  
tell them  
apart?



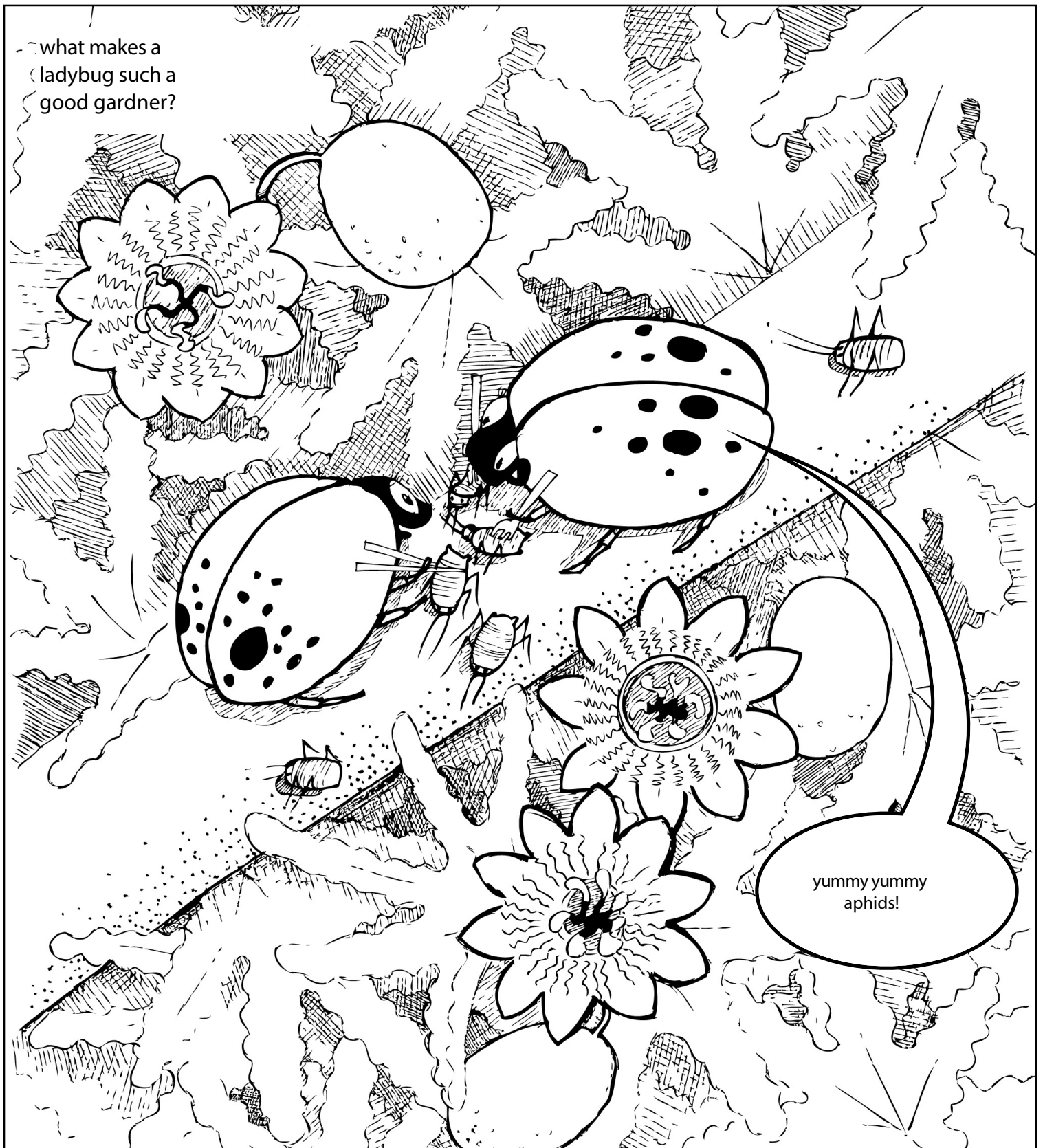
# INSECTS vs. SPIDERS



The first difference is that insects  
have six legs and two antennae,  
while spiders have eight legs and  
no antennae.



Spiders also have two arm-  
like parts called pedipalps  
used for handling food and  
mating.

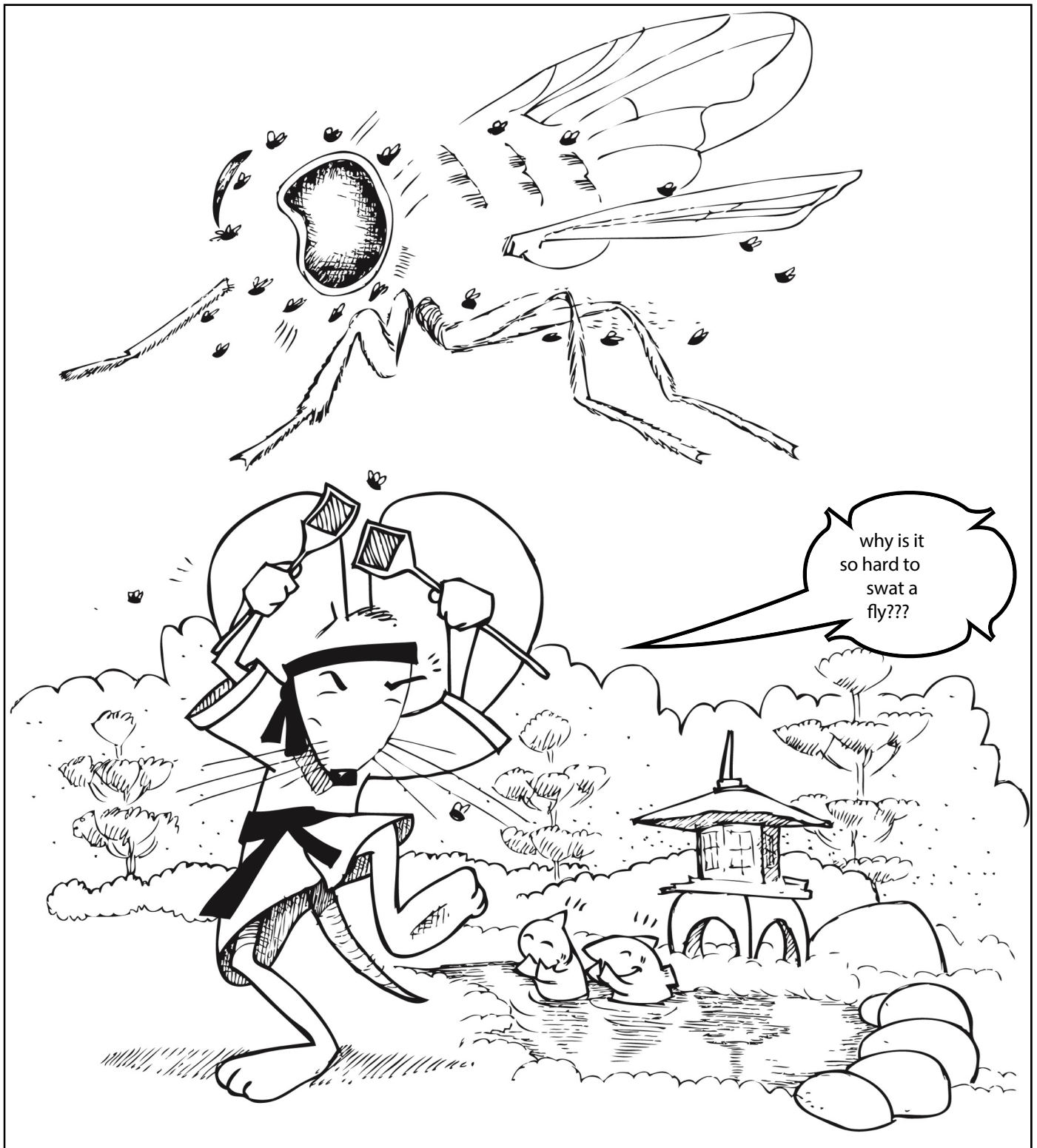


what makes a  
ladybug such a  
good gardner?

yummy yummy  
aphids!

ladybugs don't get rid of pests called aphids just to be nice- they  
eat the aphids for breakfast, lunch and dinner!

Gardeners love ladybugs because they eat the aphids before they  
snack and destroy the lovely plants.

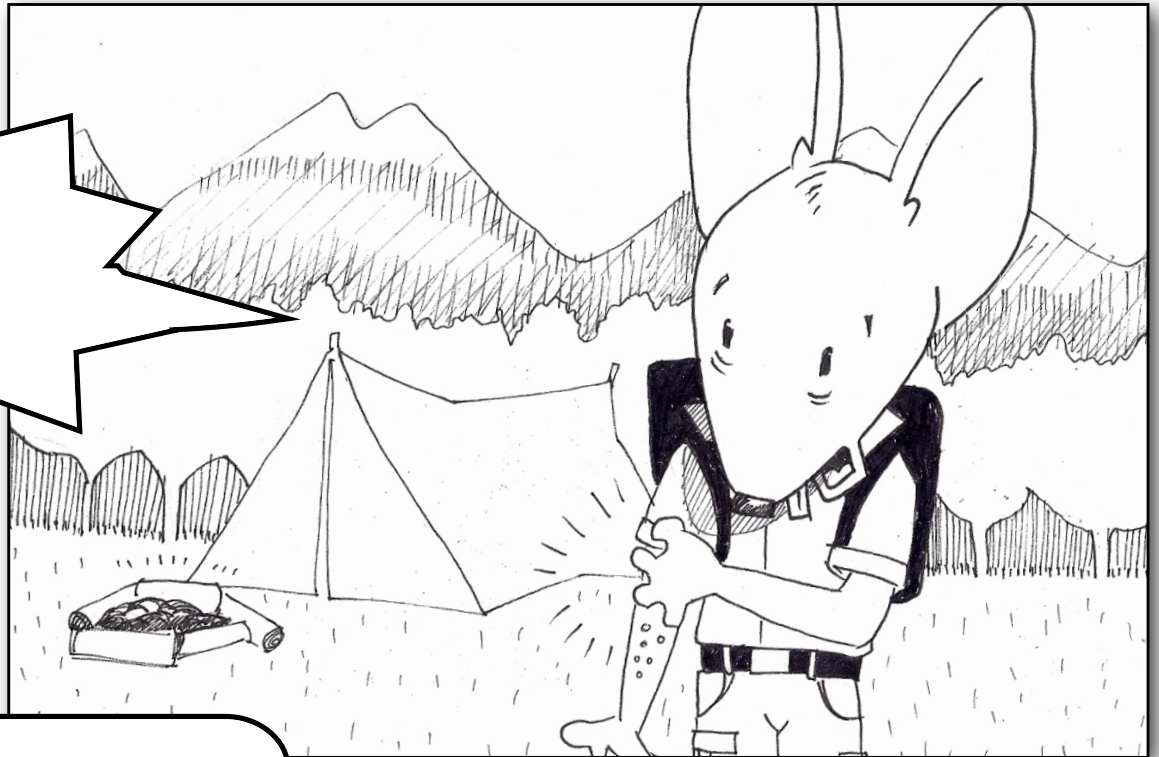


For two reasons:

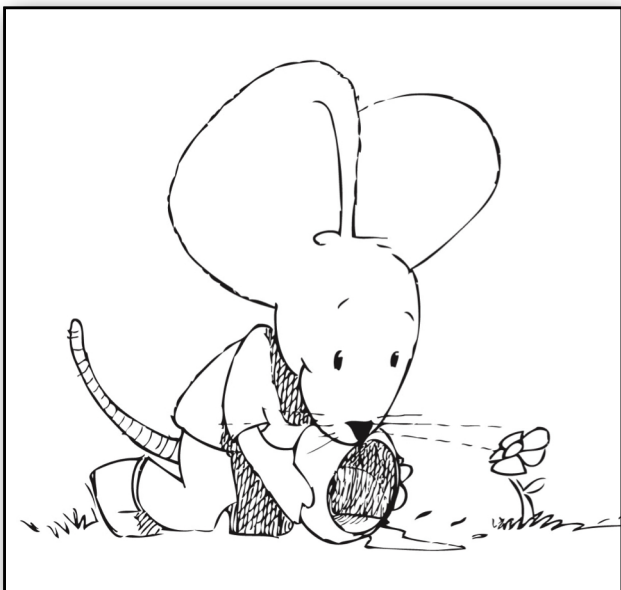
1. they feel the breeze from the flyswatter before it hits them.
2. they have huge eyes that give them a view of what goes on all around them, not just right in front... if we had eyes like that we could see what is going on behind us!



how do these  
little mosquito  
bites itch SO  
much???



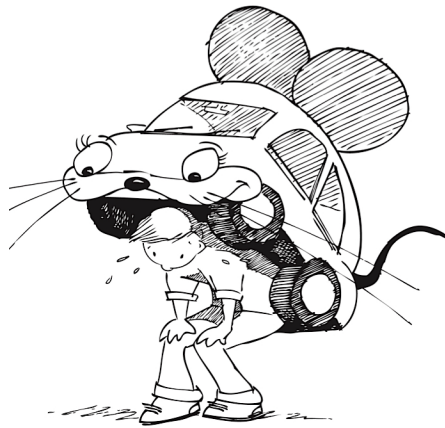
the truth is, a mosquito never  
really bites you- the mosquito  
actually drinks your blood!!  
It injects a bit of saliva that  
keeps your blood from  
clotting. our bodies have an  
allergic reaction to their  
saliva- making a tiny, tiny pinch,  
very, very itchy.



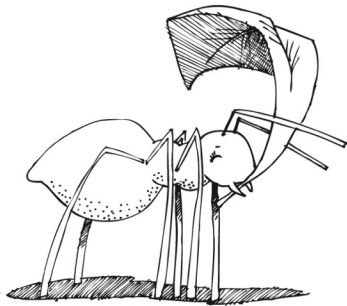
By the way... did you know that it is  
difficult to get rid of mosquitos because  
they quickly develop resistance to  
pesticides?  
we can all help in little ways- like  
draining places filled with shallow  
water, a favorite breeding place for  
mosquito larvae!

what are all those leaf-  
cutter ants up to??

it's amazing that leaf-cutter  
ants carry so much weight: the  
leaf slices they carry can be 30  
times their own weight- that  
would be like you carrying  
around a car!



but almost  
more amazing  
is that they  
don't just go  
home and eat  
those leaves:

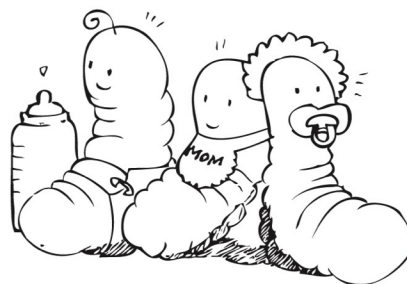


they then pass  
on the leaves  
to the nurser  
worker who  
chew the  
leaves into a  
goopy mulch.

worker ants  
bring them to  
their enormous  
underground  
colonies.

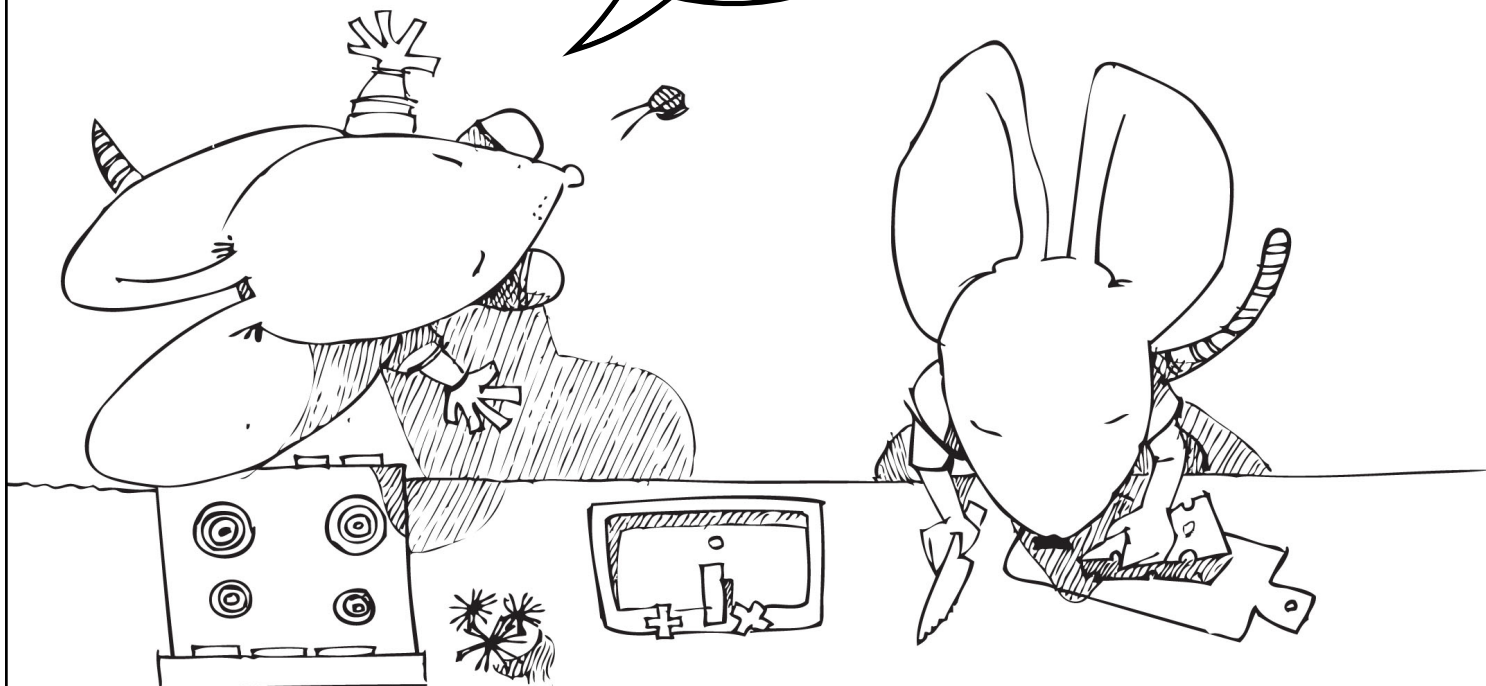
cover the mulch  
with their  
excreta (their  
poop!) and sow it  
with a fungus.

after about a  
day, they  
harvest the  
fungus that has  
grown on the  
mulch and feed  
it to their  
larvae!



ahhh-  
another  
one!!

why  
do cockroaches  
seem to be just  
about  
everywhere?

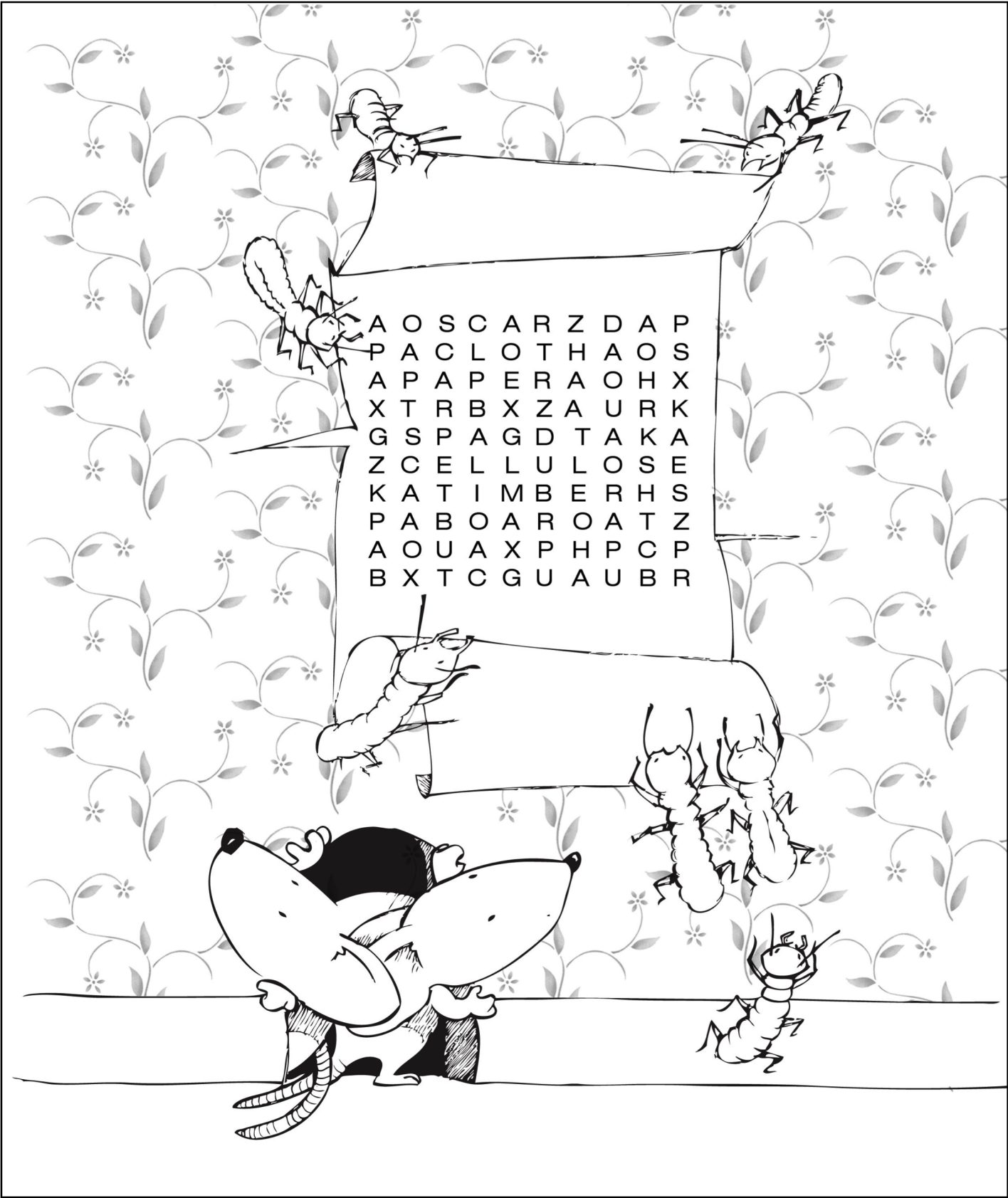


cockroaches eat  
just about anything,  
they are very  
adaptable and are  
proliferous  
procreators: a  
single female  
cockroach can have  
over 3,000 babies in  
her lifetime!



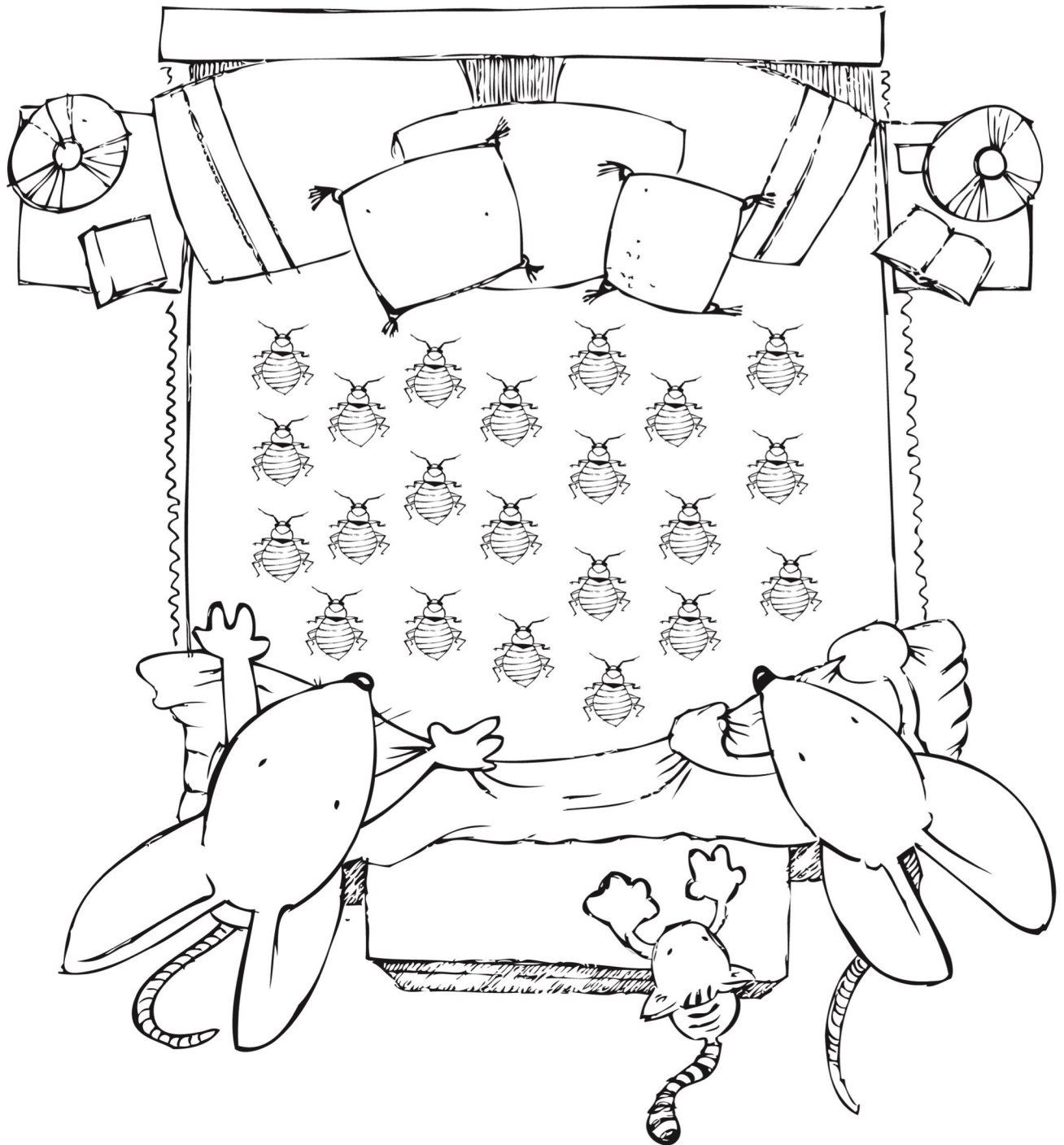
termites are specialist in doing damage... can you help us find

5 of their favorite snack foods?  
Hint: wood is only one of many meals.



bed bugs seem to be invading our cities and  
crawling into our beds!

look closely at these pests- one of them is  
different from the others, can you spot it?



still so many pesky  
creatures out there!

still so much to  
explore!

