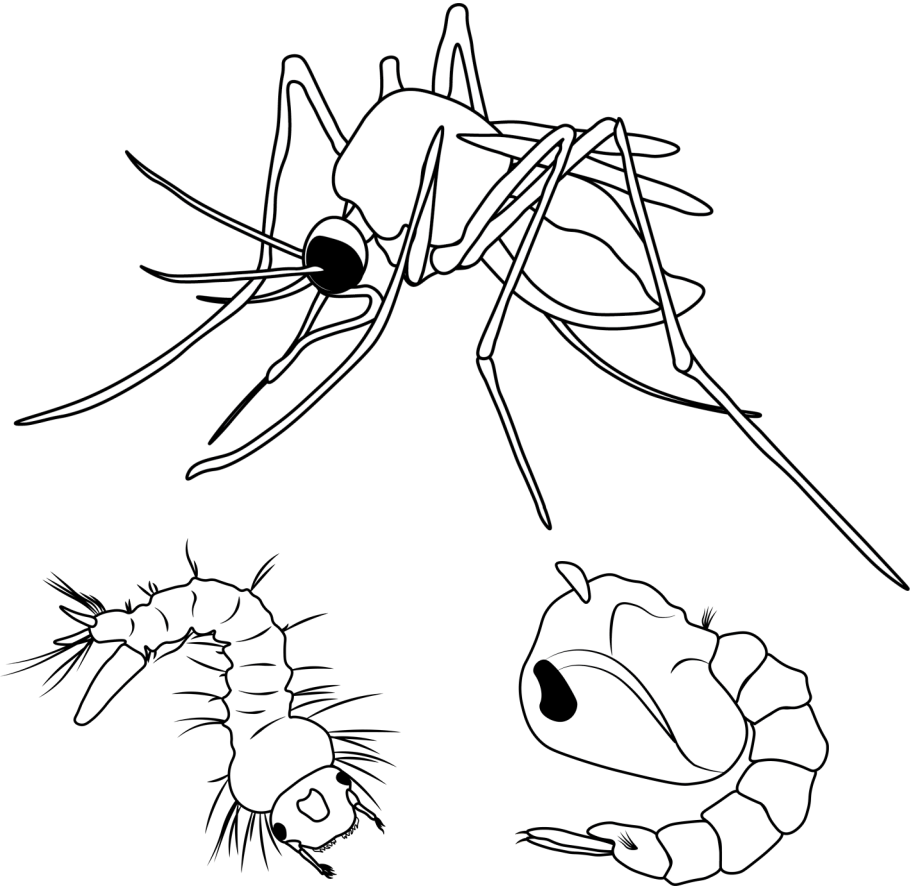


Let's Learn About Mosquitoes!



This is _____'s

Lab Notebook

Instructions

We're going to be learning all about mosquitoes, including:

What do mosquitoes look like?

Where do mosquitoes live?

Why are mosquitoes dangerous?

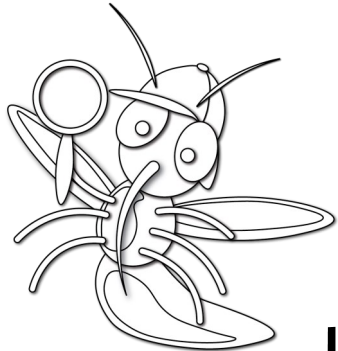
What can I do to protect myself?

As you go through the activities, this lab notebook will help guide you.

On each page, follow the instructions for the activity. You will be making observations and taking notes, just like a real entomologist (a scientist that studies insects)!

Try to answer the questions on each page. If you get stuck, your teacher has the answer key to help you out.

Let's get learning!



Eggs

Draw what you see in sample A

1. Where does a mosquito lay its eggs? _____
2. Were these eggs laid (circle one) **one by one** in an egg raft
3. These eggs would have been laid (circle one)
floating on water stuck to the side of a container

Larva

Draw what you see in sample B

1. Mosquito larvae live completely in W _ _ _ _
2. Can you find the siphon that the larva uses to breathe? Draw an arrow pointing to it on your drawing
3. Mosquito larvae use their mouth B _ _ _ _ es to filter food like algae out of the water

Pupa

Draw what you see in sample C



1. What is something that larvae can do but pupae can't? E _ _ _
2. Can you find the siphons that the pupa uses to breathe? Draw an arrow pointing to them on your drawing.
3. The process of turning from a pupa to an adult is called (circle one) **Metamorphosis** **Switcheroo** **Transfiguration**

Adult

Draw what you see in sample D



1. Male (boy) mosquitoes have fluffy antennae—circle which mosquito in your sample is male: 1 2
2. Which mosquitoes drink blood (circle one) **Male** **Female**
3. Describe the color of your mosquito

Challenge Questions

Answer the following questions. Use the pictures as hints!



Mosquito larvae and pupae cannot survive outside of



Mosquitoes use their siphons at the surface to breathe _____



Female mosquitoes need this to lay healthy eggs:



Mosquito larvae digest food better and grow faster in _____ water



What kind of predators would eat mosquito larvae?

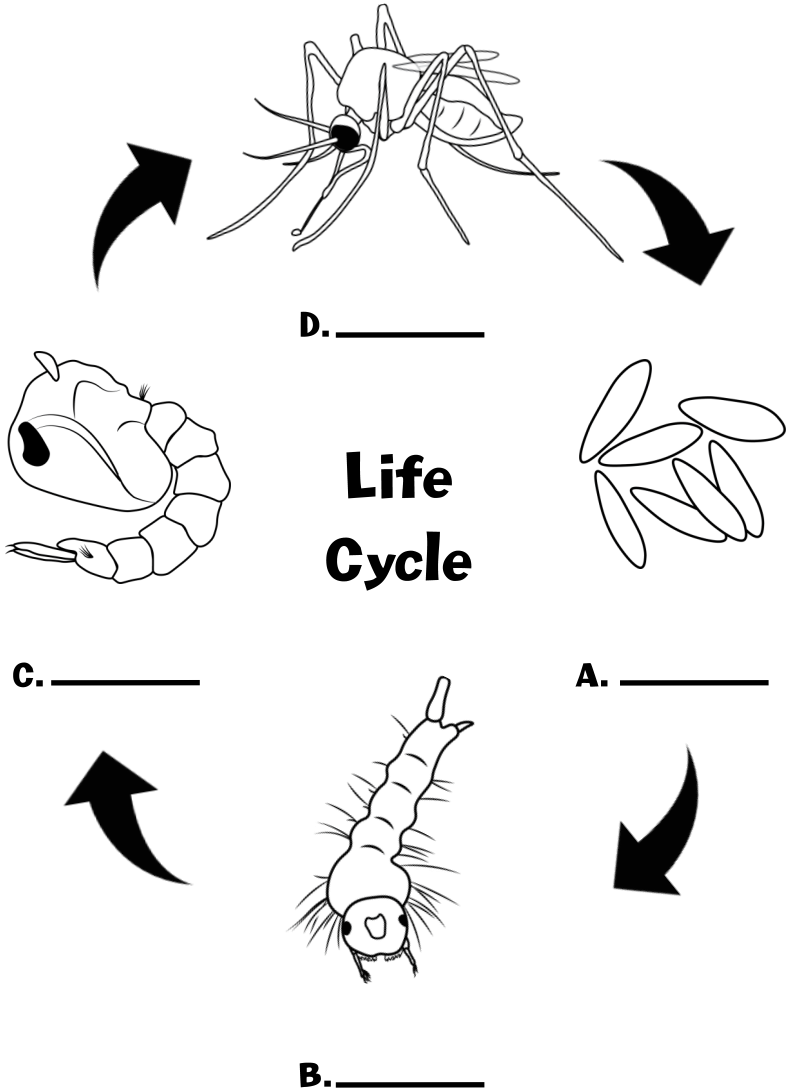


Can you think of another insect that has a life cycle similar to the mosquito life cycle?

Mosquito Life Cycle

Fill in the labels on the mosquito life cycle diagram below. Challenge yourself to fill in all the answers without checking your notes! Though be sure to refer back if you need a hint!

Which parts of the life cycle would you find in standing water?



Look For Standing Water!

Now that you've learned all about the mosquito life cycle, and where mosquitoes live when they are young, it's time to look around your home for places mosquitoes might be hiding. Look around your home (or the home of a relative) inside and outside, in your yard or your balcony, and around the neighborhood for anything that has water in it or could hold water. Use your magnifying glass to look for mosquito larvae. When you're done, dump out any water if you can! Record what you find in the take home activity sheet.

Ideas on where to look:

**Saucers under
potted plants**

Toys

Pond

Clutter

Flower vase

Fountains

Bird bath

Trash cans

Buckets

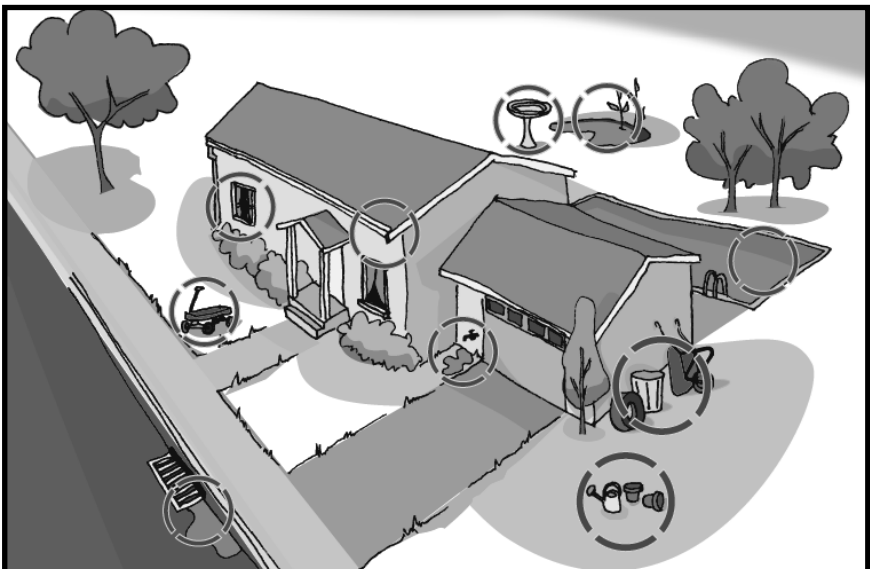
Kiddie Pool

Yard Drains

Tires

Green

**Swimming
Pool**



Challenge Questions

Answer the following questions. Use the pictures as hints!



Male mosquitoes use this sense to find a mate:



Female mosquitoes use this sense to find a host:



Culex mosquitoes mostly feed on this type of animal:



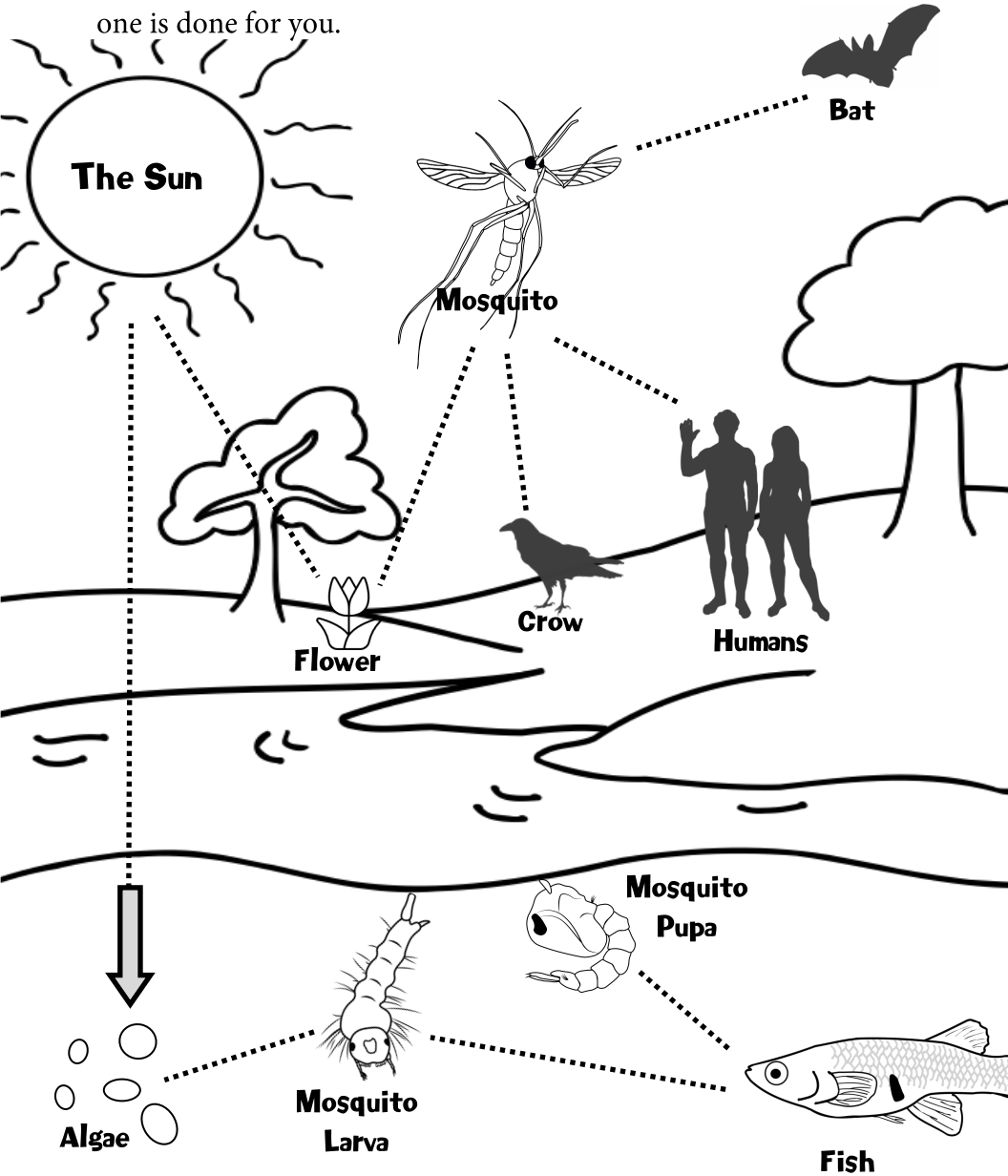
To help prevent mosquito breeding, you should dump out or throw away anything that can hold:



People can use this on their skin to protect against mosquito bites:

Food Web

Look at the food web below. For each line, draw an arrow on one end showing which way the energy moves in the system. The first one is done for you.



Matching

Match the type of mosquito (Aedes or Culex) to the correct words or phrases on the right. The first one is done for you.

Aedes

West Nile virus

Bites at dawn and dusk

Container Breeding

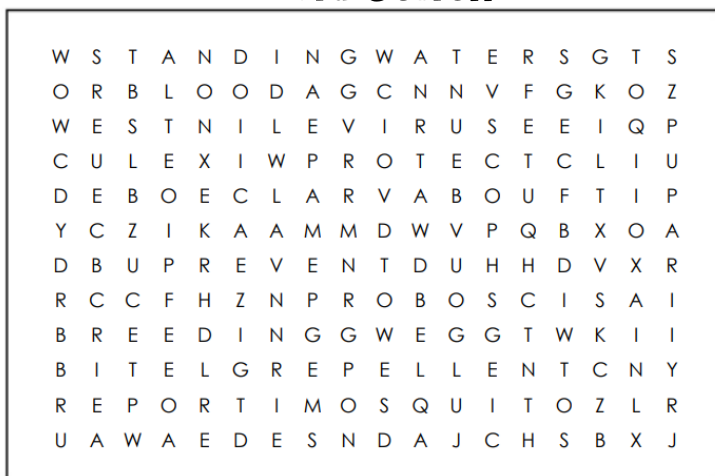
Culex

Egg raft

Zika virus

Daytime biter

Word Search



Find the following words in the puzzle.

Words are hidden → ↓ and ↘ .

AEDES
BITE
BLOOD
BREEDING
CULEX
EGG
LARVA

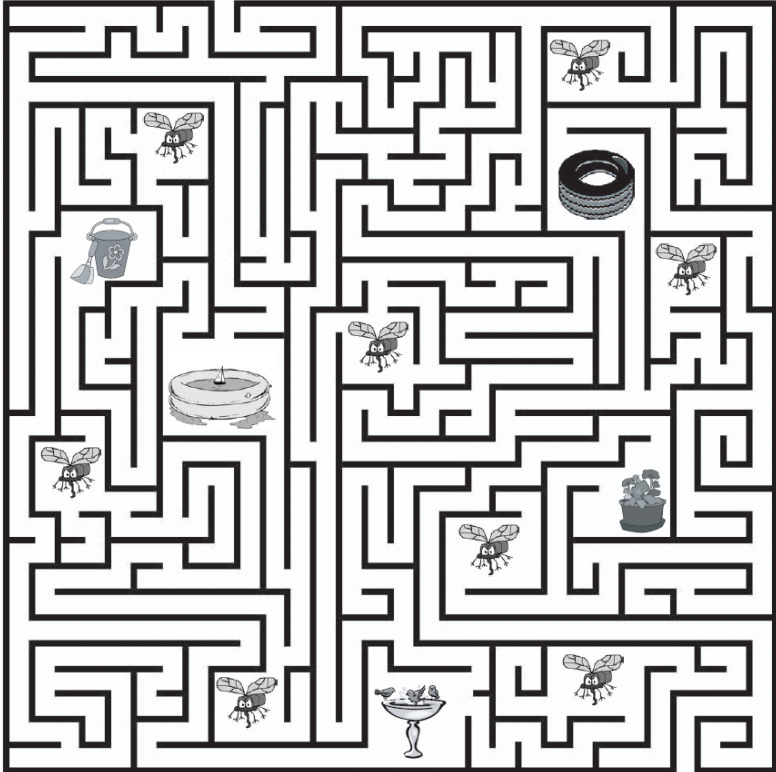
MOSQUITO
PREVENT
PROBOSCIS
PROTECT
PUPA
REPELLENT
REPORT

STANDINGWATER
VECTOR
WEST NILE VIRUS
ZIKA

Mosquito Maze

Go through the maze, dumping out all the sources of standing water. But try to avoid the biting mosquitoes!

Start



End

Careers in Vector Control

If you could work at the Vector Control Program, which job would you want to have? Why?

Dear Parents,

Your child has been learning about mosquitoes in class as part of an educational program designed by the County of San Diego Vector Control Program. The program teaches children how to recognize all 4 stages in the mosquito life cycle as well as where mosquitoes live, and how they can transmit diseases to humans.

With this knowledge, your child can help to identify potential places in your yard or around your neighborhood where mosquitoes may grow. All of us can help to prevent mosquitoes in our communities by removing sources of standing water where mosquitoes lay their eggs. You can learn more about preventing mosquito breeding at SDFightTheBite.com.

If you are having issues with mosquitoes around your own home, please call the Vector Control Program for assistance. Our services include educational mosquito inspections and free mosquito fish for control of mosquito larvae.

Contact Us

Phone: (858) 694-2888

E-mail: vector@sdcounty.ca.gov

