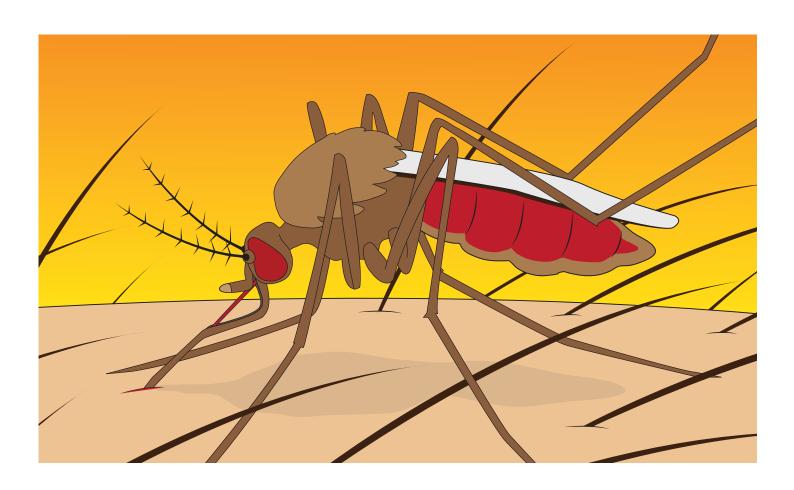
Adaptations of Mosquitoes:

Observation Journal





Name: _____

Instructions

- Complete the activities on each page. Your teacher has the answers to the questions if you get stuck.
- Words printed in green are included in the glossary.

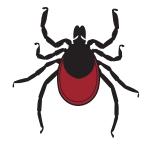
Mosquitoes Are Vectors!

- Vectors are animals that can spread certain diseases or hurt people.
- Mosquitoes, yellowjackets, ticks and rodents are four common vectors.





Yellowjacket (Insect)



Tick (Arachnid)

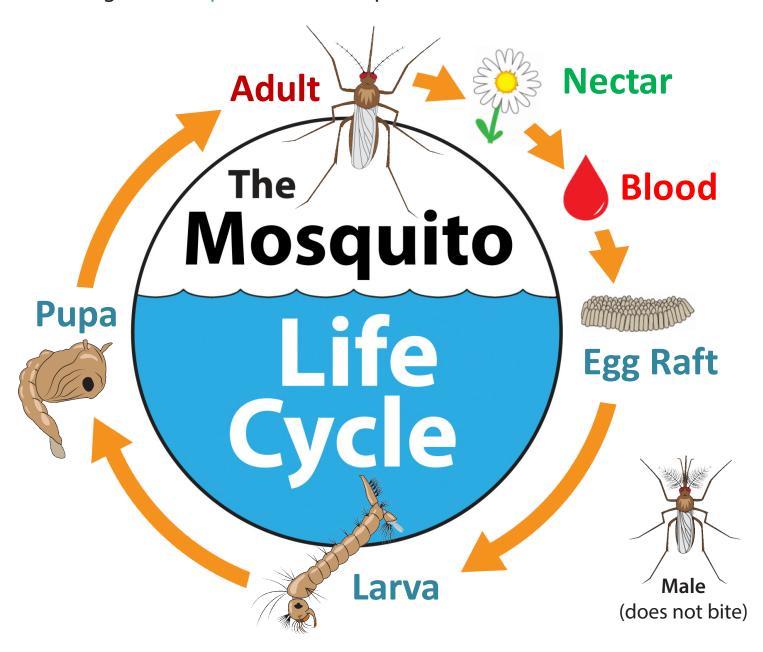


Rodent (Mammal)

1. Have you	ever encoun	tered a vect	or? Describ	e wnat nap	penea:

Mosquito Life Cycle

• Like most insects, mosquitoes have a four-stage life cycle and each life stage has adaptations that help it to survive.



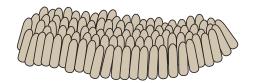
2. List another insect that feeds on blood. Can you think of an adaptation that it might have to help it survive?

Complete this activity during the first week

3. Draw what you see in the mosq	uito cage in vour classroom.
2. 2. a.r. mac you see in the mosq	and tage in your classicolli.
Date:	How many larvae?
How many pupae?	How many adults?

Adaptations of mosquito eggs

 The mosquitoes in your classroom hatched from a group of eggs called an egg raft.

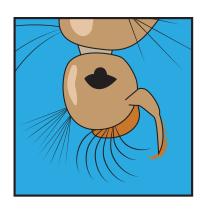


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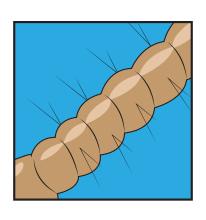
4. How does an egg	raft stay together?
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Adaptations of mosquito larvae

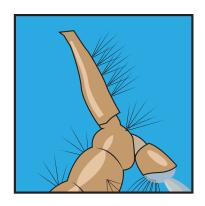
Mosquito larvae have many adaptations for life underwater.



Mouth brushes



Sensory hairs

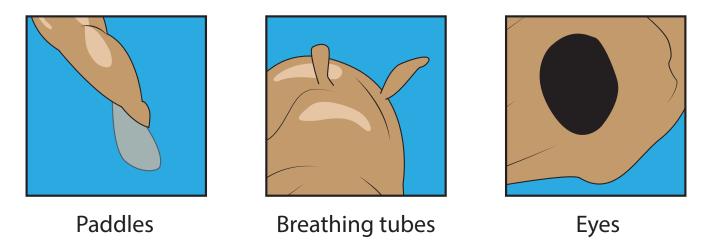


Breathing tube

5. Choose one adaptation and describe how it helps a mosquito larva to survive in an aquatic habitat.

Adaptations of mosquito pupae

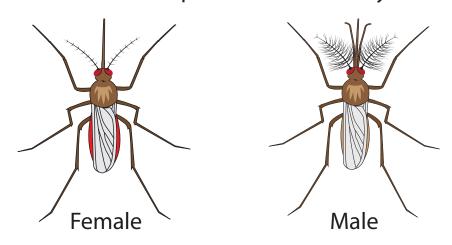
Mosquito pupae have many adaptations for life underwater.



6. Choose one adaptation and describe how it helps a mosquito pupa survive in an aquatic habitat.

Adaptations of adult mosquitoes

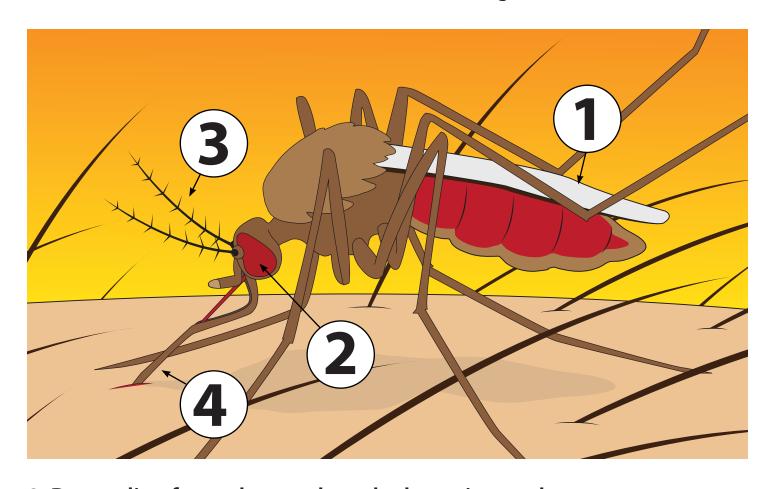
 Male and female mosquitoes both have antennae, but their antennae look very different and are adapted in different ways



7. Circle the mosquito with antennae that are very sensitive to sound.

Adaptations of adult mosquitoes

 Adult female mosquitoes have adaptations that help them to find a host and take blood without the host noticing.



8. Draw a line from the numbered adaptation to the correct description of how it helps a mosquito survive.



Wings



Eyes



Antennae



Proboscis

This adaptation allows mosquitoes to sense movement

This adaptation helps mosquitoes sense odors, heat, and carbon dioxide

This adaptation helps mosquitoes feed on liquids

This adaptation helps mosquitoes travel long distances to find a host

Invent Your Own Insect!

9. Imagine that you need to "invent" an insect. Fill in information about your insect and draw a picture of it below. Get creative!

Name of insect:	Habitat:
What does your insect eat?	
List the adaptations that helps your inse	
List the adaptations that helps your mise	ect survive.

Draw your insect in its habitat in the space below

Make sure to label its adaptations that allow it to survive!

10. Draw what you see in the	e mosquito cage in your classroom.
	How many larvae?
How many pupae?	How many adults?

Complete this activity during the **second** week

Activity: Taking Action

as on the lines below.				

Glossary

Adaptation: a trait or characteristic that helps an individual to better

survive in its habitat

Habitat: a place where a plant or animal lives and grows

Host: an animal or plant from which a parasite gains nutrition

Larva: (plural = larvae) wingless, feeding stage of an insect

Parasite: an organism that lives on or in another organism (the host)

from which it obtains nourishment

Predator: an organism that preys upon other organisms

Proboscis: a flexible, elongated sucking mouthpart that is like a tube

Pupa: (plural = pupae) nonfeeding stage of an insect in between

larva and adult

Vector: an animal capable of transmitting disease to humans

Dear Parents,

Your child has been learning about mosquitoes for the past two weeks. This program teaches students to recognize all 4 stages of the mosquito life cycle, the places they grow, and the problems mosquitoes cause.

Unfortunately, mosquitoes can be more than just a nuisance. They are vectors, meaning that some mosquitoes have the ability to spread certain diseases such as West Nile virus. Please visit our website at www.msmosquito.com to learn more. The website also includes information related to:

- Free services available to residents of Marin and Sonoma counties
- Information about other vectors (such as ticks, fleas, rats and yellowjackets)
- Information about vector-borne diseases (such as West Nile virus, Lyme disease, dog heartworm, and others)

Thank you,

Eric Engh
Education Program Specialist
Marin/Sonoma Mosquito & Vector Control District
erice@msmosquito.com



Marin/Sonoma Mosquito & Vector Control District call 1.800.231.3236 or 707.285.2200 or visit us online at www.msmosquito.com



