

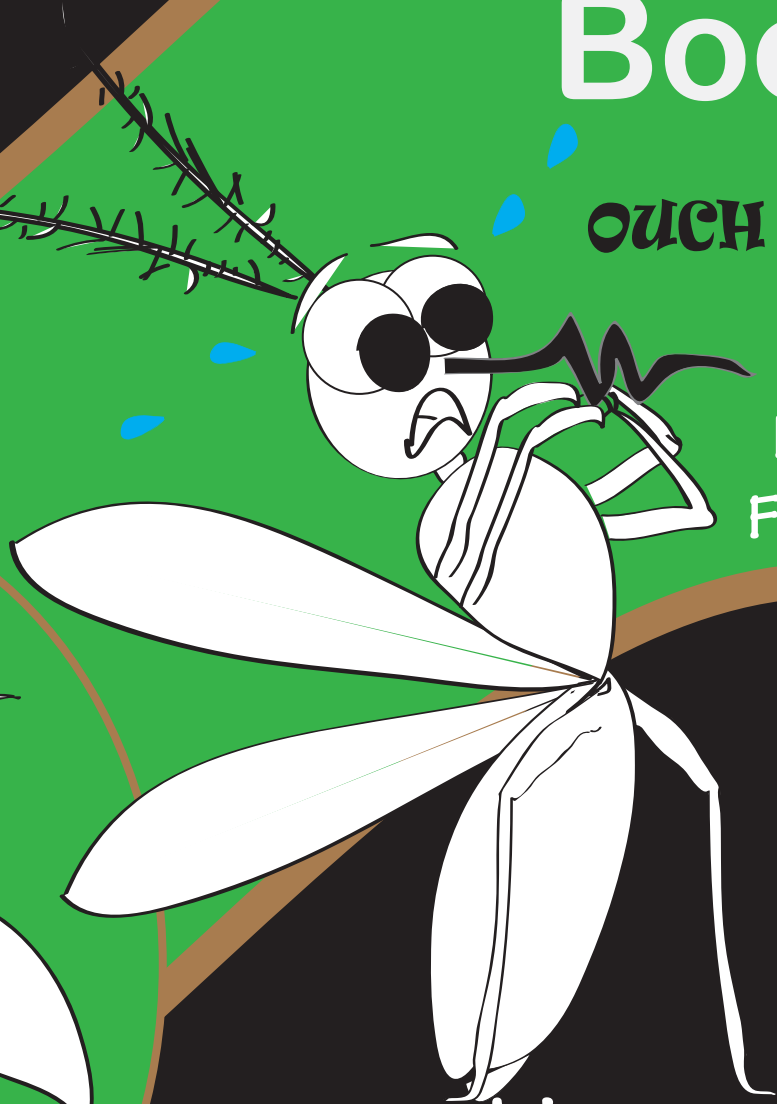


Activity Book

OUCH!

Verna Vexans

Morgan
Freeborni

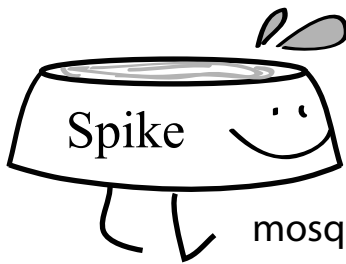


*Shasta Mosquito
& Vector Control
District*

www.shastamosquito.org
(530) 365-3768

FACTS ABOUT MOSQUITOES

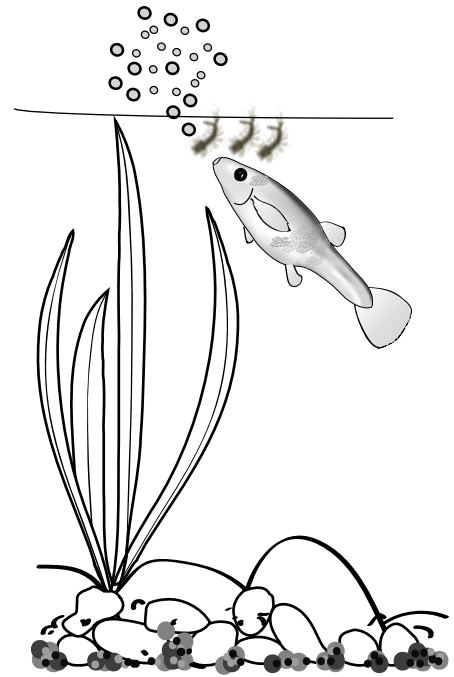
World-wide more than 2,700 types of mosquitoes have been identified by scientists. The Shasta Mosquito & Vector Control District currently has identified 23 types of mosquitoes.



Some mosquitoes fly only a few hundred yards from the water from which they hatched. This is a good reason to make sure you home is safe from breeding mosquitoes. Dump any standing water around your home. Clean out your pets water bowls at least once a week.



All mosquitoes must have food, water, air and shelter. Some mosquitoes lay eggs upon the surface of the water, others deposit their eggs on moist soil ground, grass stems or in treeholes. Larvae of all species must have standing water in which to develop.

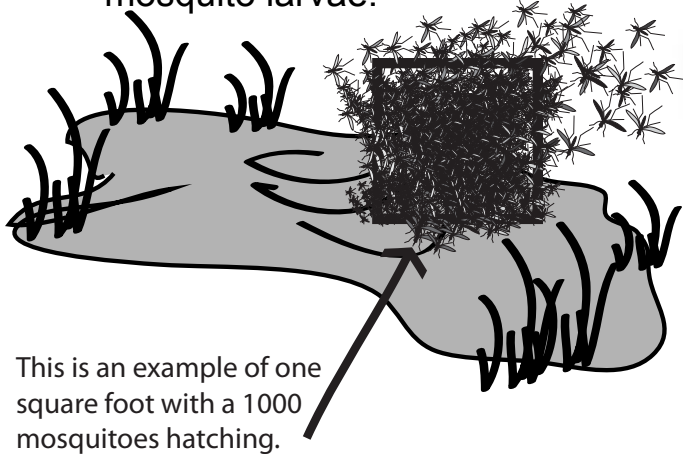


Mosquitofish are used as a way to control mosquitoes. One mosquitofish can eat up to 100 larvae a day. They are useful in ponds, water troughs, neglected swimming pools, and other water features. Call your local mosquito district to obtain fish.



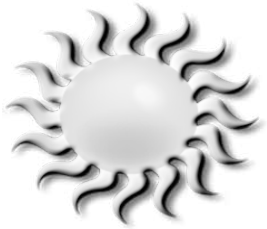
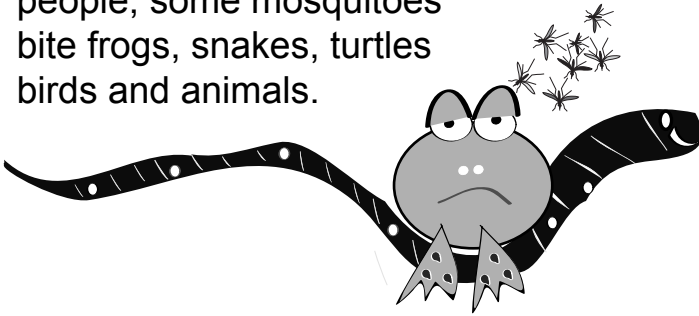
We all know mosquitoes are pesky, but some can spread dangerous diseases when they bite like encephalitis and West Nile virus. Dogs and cats can also get heartworm from treehole mosquitoes (*Aedes sierrensis*). Check with your veterinarian to learn options for preventing heartworm.

A square foot of flooded area in a pasture can produce **1000** mosquito larvae.



This is an example of one square foot with a 1000 mosquitoes hatching.

Mosquitoes not only bite people, some mosquitoes bite frogs, snakes, turtles birds and animals.



If the weather is warm, mosquitoes only need a few days to grow from an egg to an adult.

To protect yourself against mosquitoes remember the **4-D's**

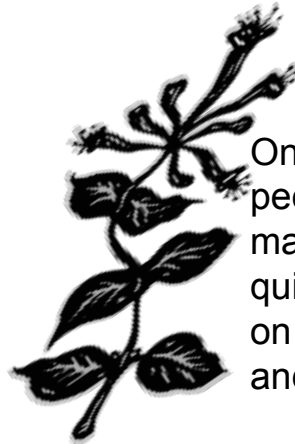
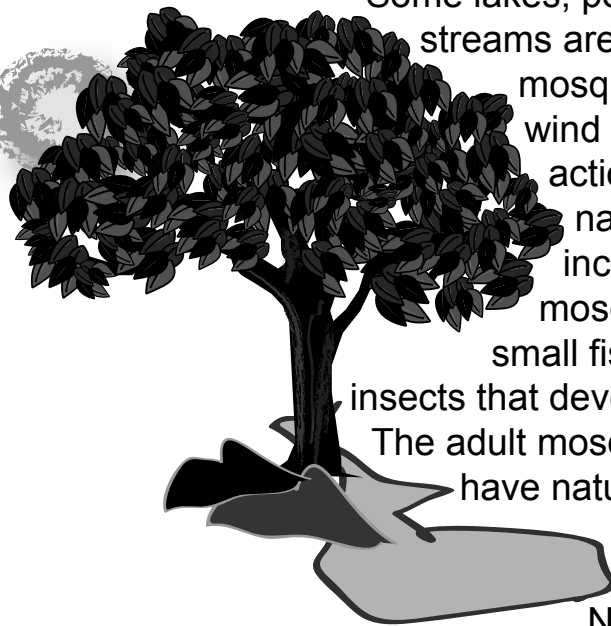
Drain standing water.

Dusk or Dawn are when mosquitoes are most active. Avoid being outdoors when mosquitoes are present.

Dress in long sleeve shirts, pants and socks during dawn and dusk.

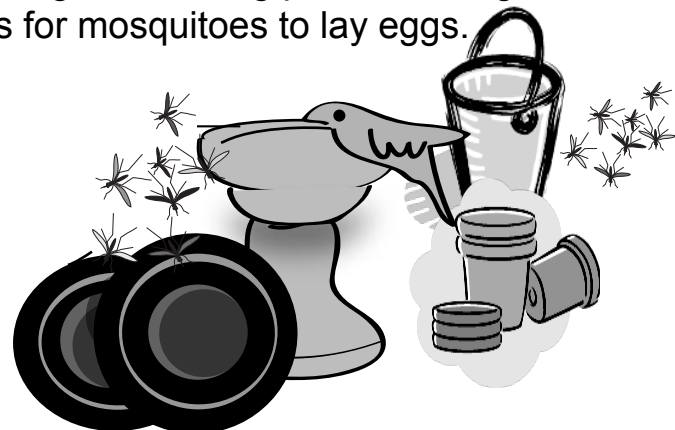
Defend yourself against mosquitoes using insect repellent.

Some lakes, ponds and streams are kept free of mosquito larvae by wind and wave action and by natural enemies including mosquito-eating small fish and various insects that develop in water. The adult mosquitoes also have natural enemies, including many birds. Natural enemies rarely are effective enough that no other control measures are needed.



Only female mosquitoes bite people. They need blood to make their eggs. Male mosquitoes don't bite, they feed on nectar and plant juices and only live for a short time.

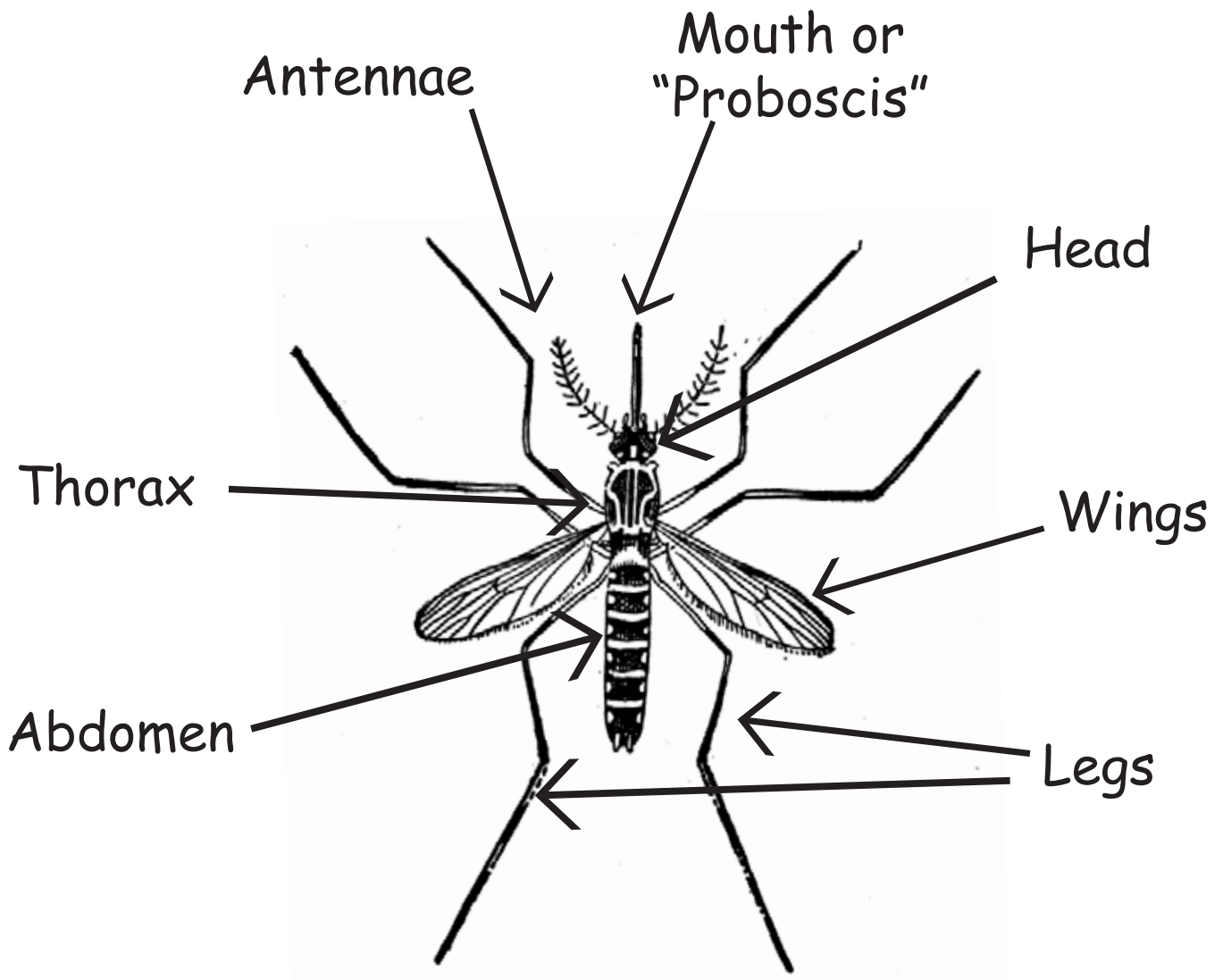
Mosquitoes are not very particular about where they lay their eggs - as long as there is enough water. Old tires, birdbaths swimming and wading pools are all great places for mosquitoes to lay eggs.



MOSQUITO anatomy

What is a Mosquito?

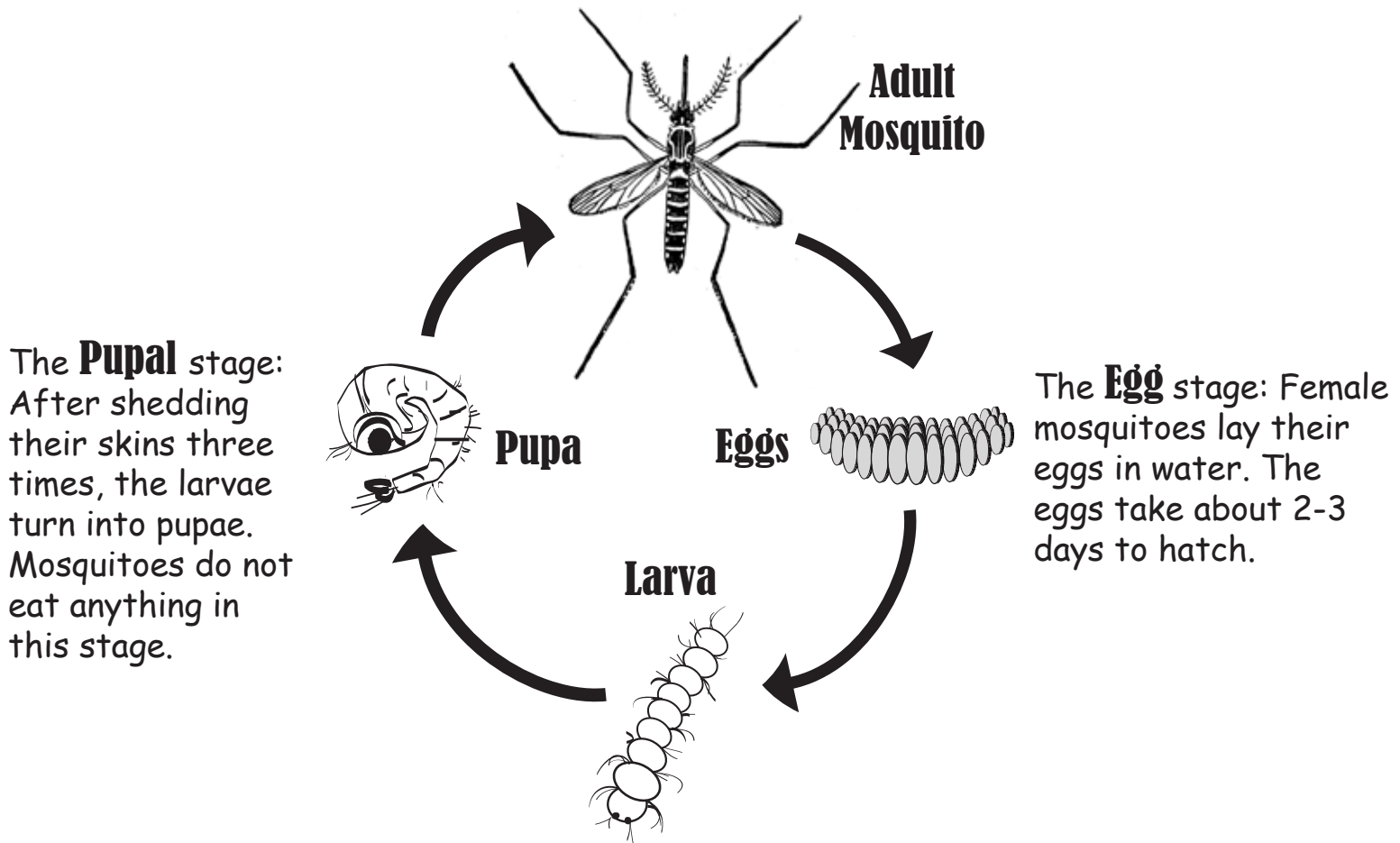
Mosquitoes are insects. This means they have no backbone and are divided in three parts: the **head**, the **thorax** and the **abdomen**. The head has eyes, a mouth, and one pair of **antennae**. The mouth is long like a needle. It is called the **proboscis**, this is how female mosquitoes can bite animals through the skin to get blood. The thorax has three pairs of **legs** and one pair of **wings**. The abdomen contains the guts and reproductive organs.



MOSQUITO LIFE CYCLE

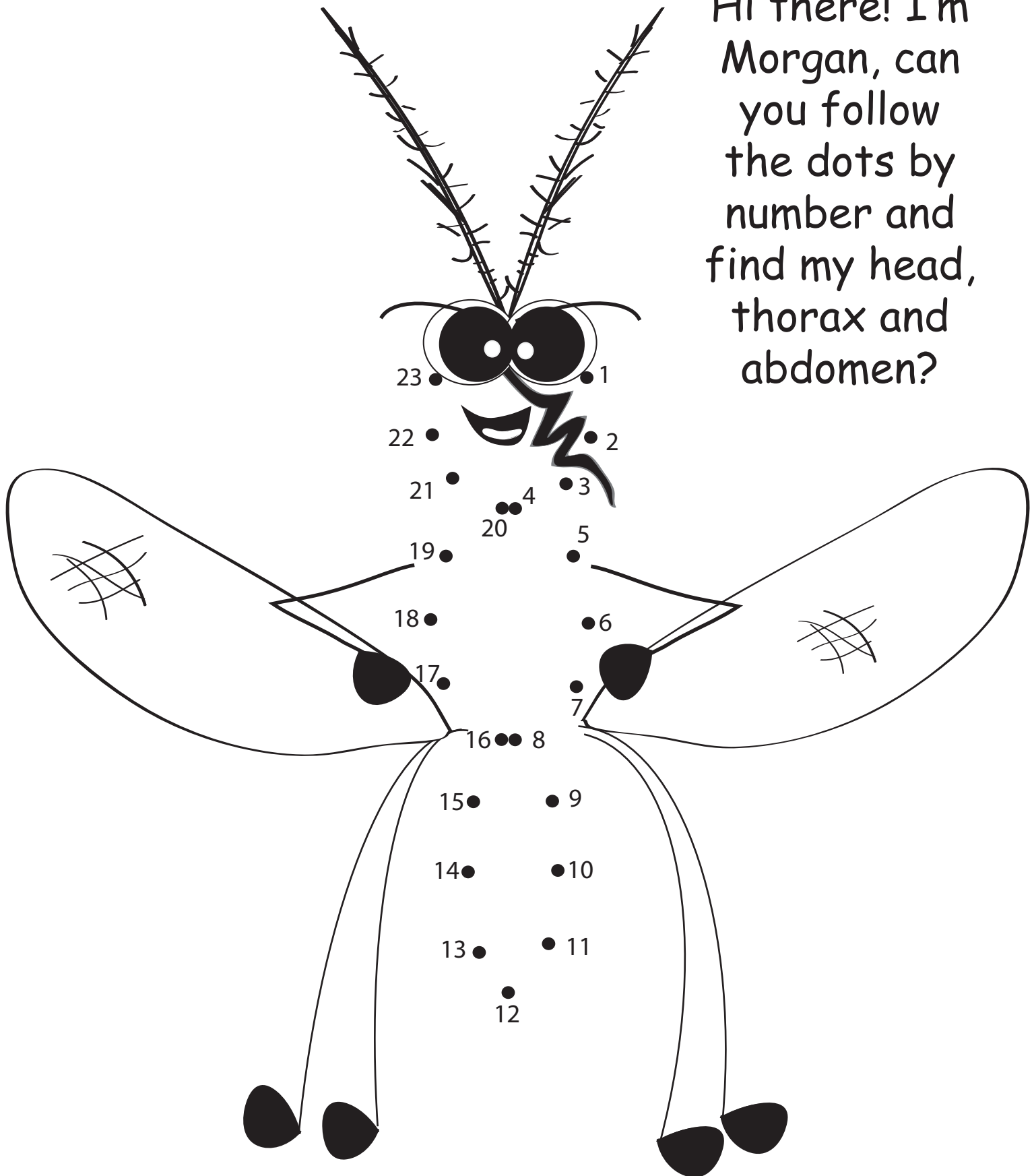
Mosquitoes undergo a complete metamorphosis including the egg, larva, pupa and adult life-stages. All mosquito life-stages except adults require standing water to survive and develop.

The **Adult** stage: The adult comes out of the pupae stage in about 2 to 7 days. The average adult mosquito will live for about 2 weeks. After the female mates and has a blood meal, she is ready to lay her eggs.



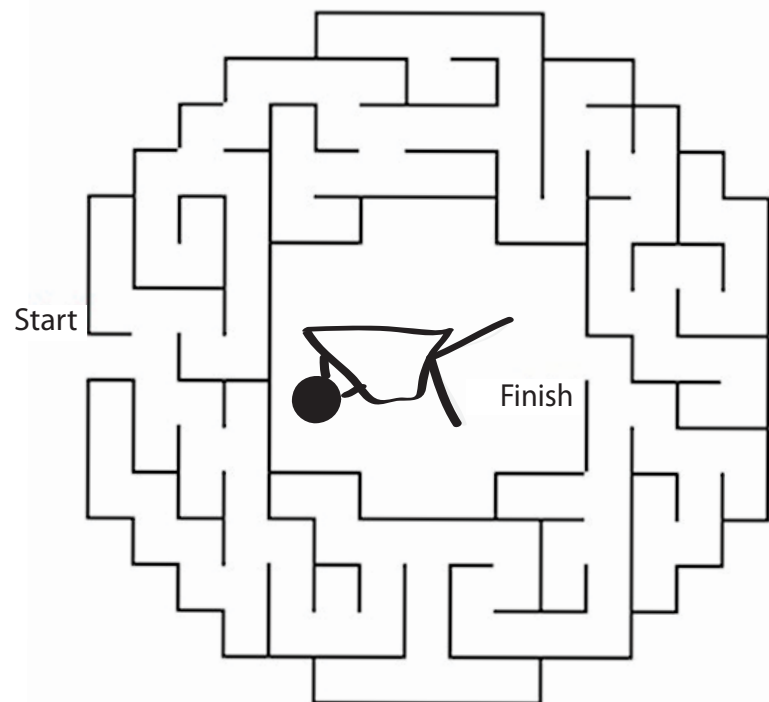
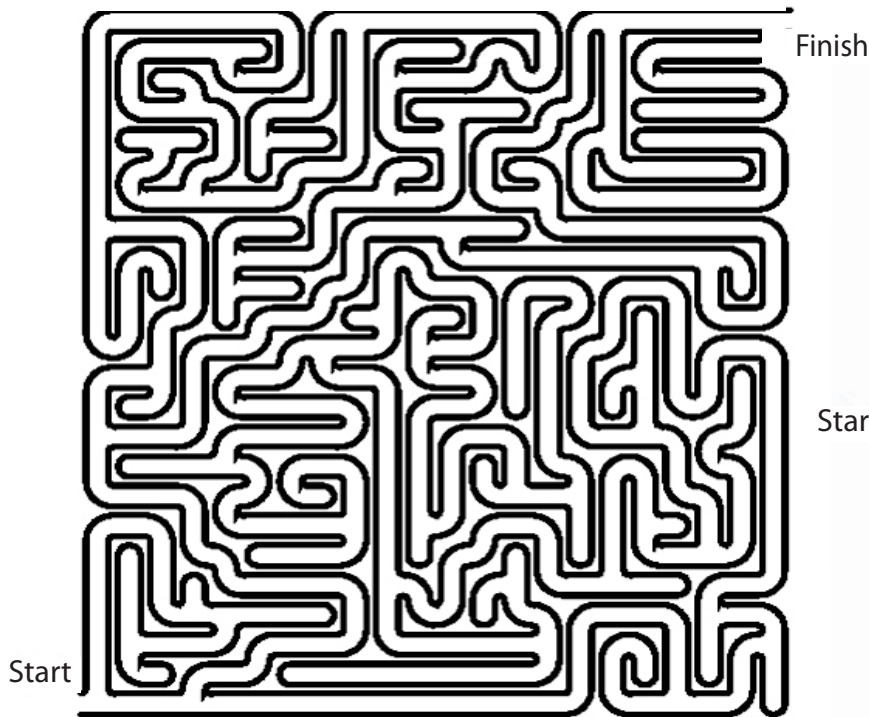
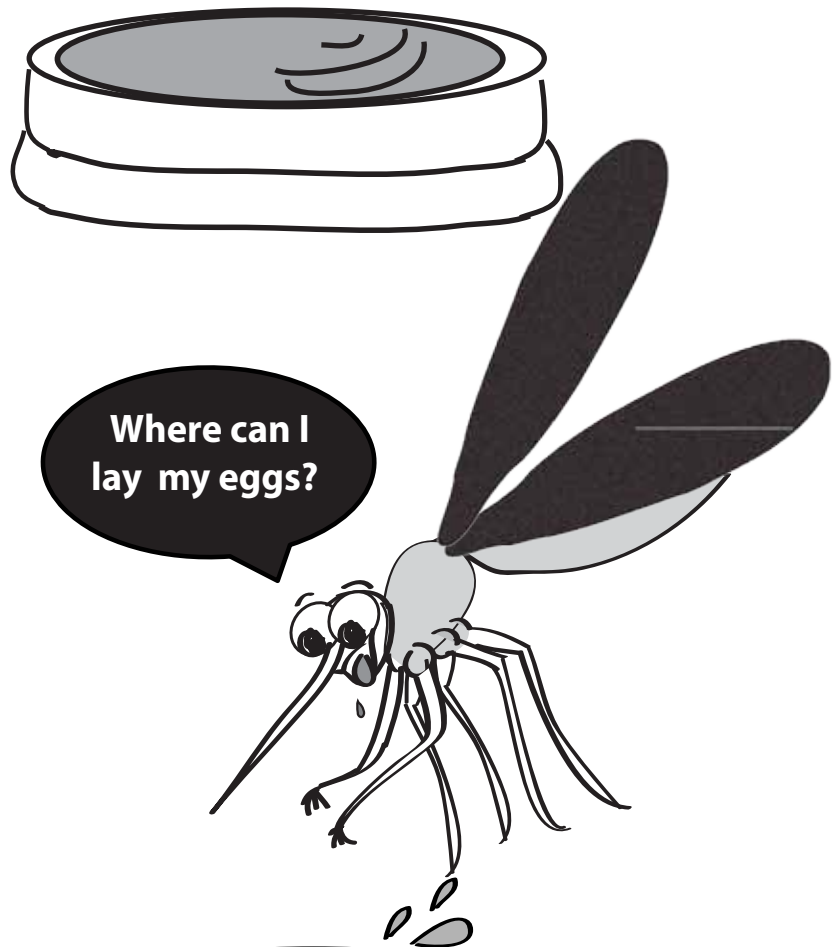
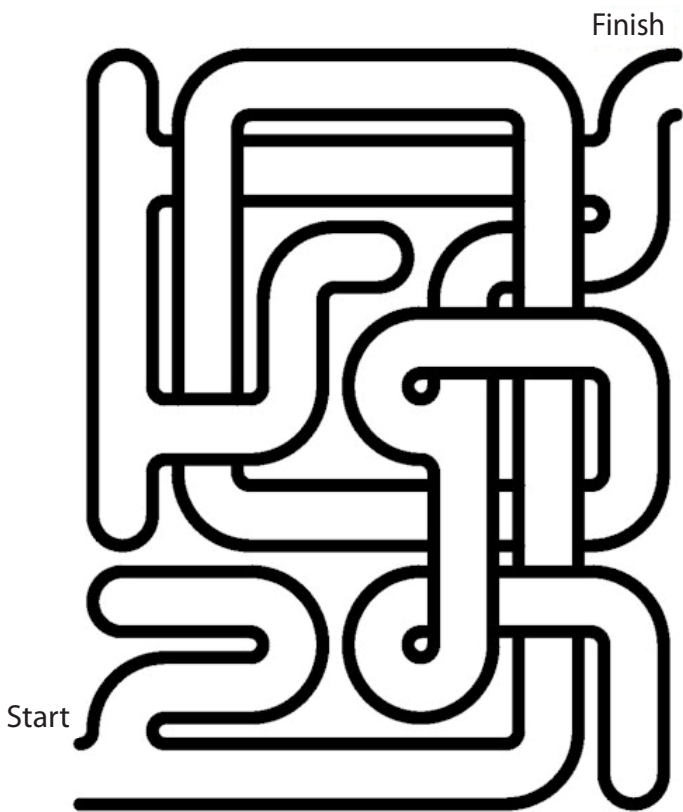
MOSQUITO Dot to Dot

Hi there! I'm
Morgan, can
you follow
the dots by
number and
find my head,
thorax and
abdomen?



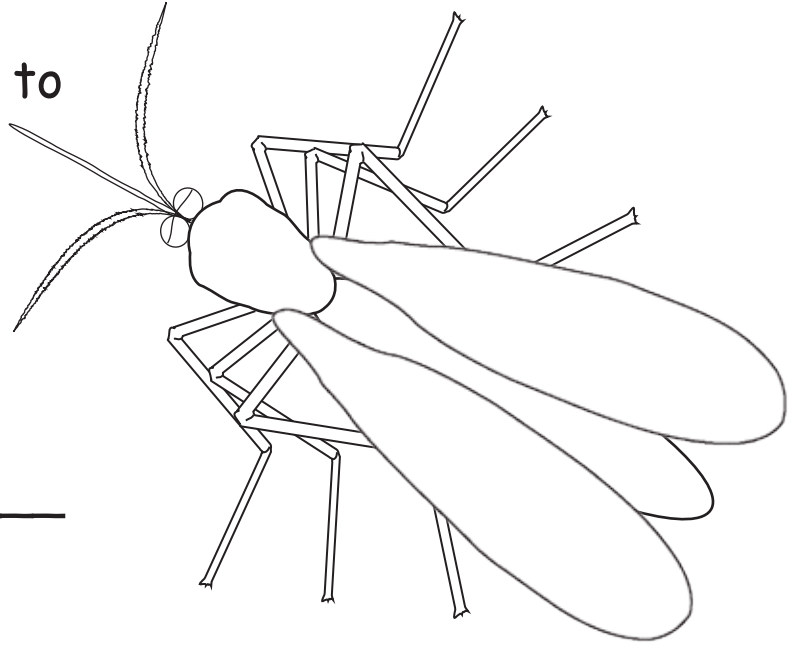
MOSQUITO MAZE

Can you find the mosquito breeding sources?



MOSQUITO WORD SCRAMBLE

Unscramble the following words to find mosquito-related words:



GESG _ _ _ _

RALVA _ _ _ _ _

APUP _ _ _ _

IQTUMSOO _ _ _ _ _

LODBO _ _ _ _ _

NOPHIS _ _ _ _ _

TANENAN _ _ _ _ _

TADUL _ _ _ _ _

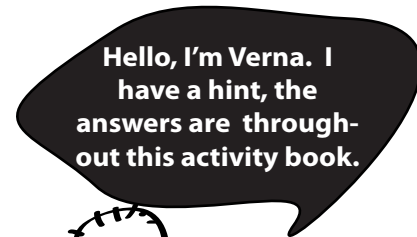
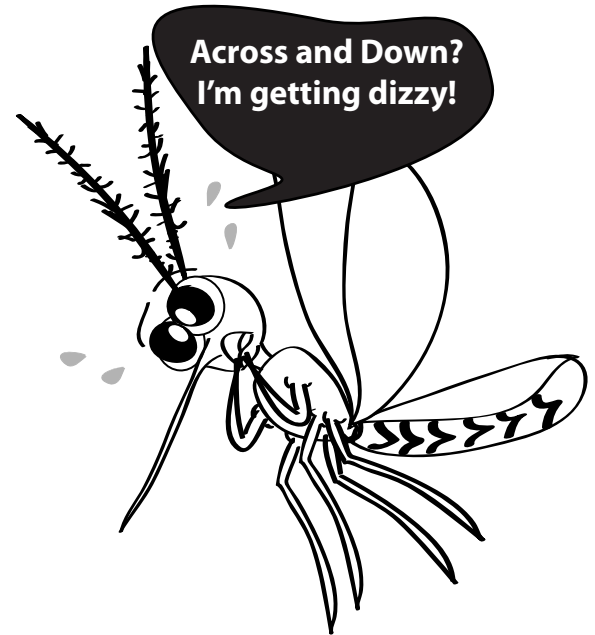
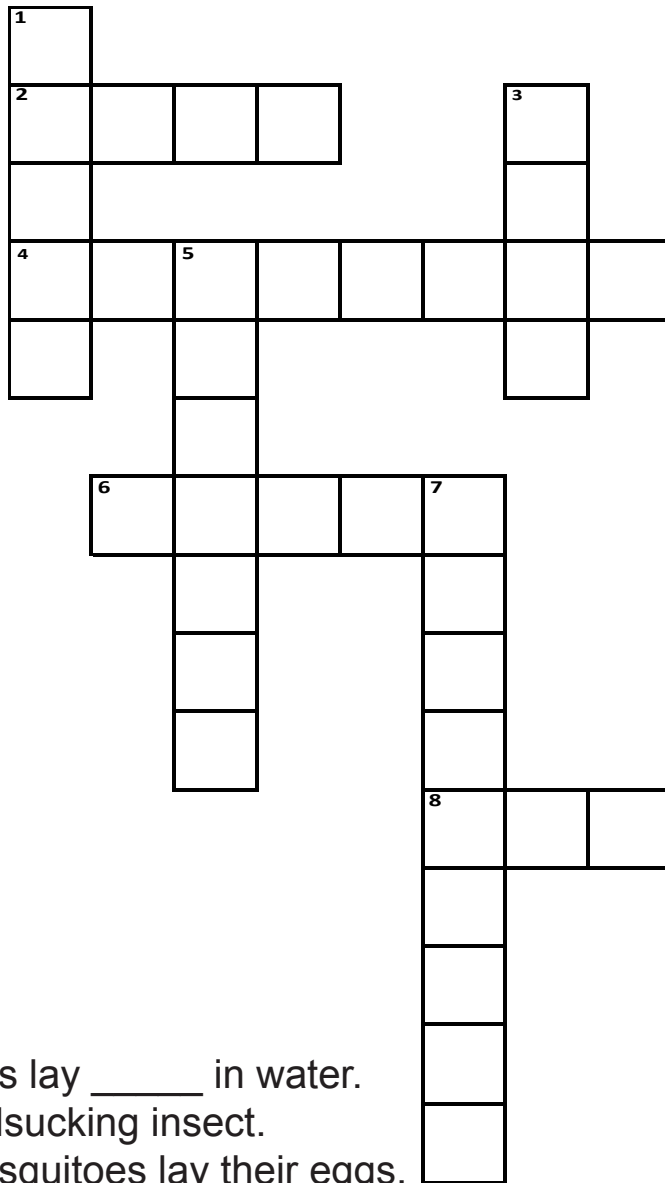
DASEISE _ _ _ _ _

RATEW _ _ _ _ _

BOSCISPOR _ _ _ _ _

Answers: EGGS, LARVA, PUPA, MOSQUITO, BLOOD, SIPHON, ANTENNAE, ADULT, DISEASE, WATER, PROBOSCIS

WORD PUZZLE



Across:

2. Mosquitoes lay _____ in water.
4. Tiny, bloodsucking insect.
6. Where mosquitoes lay their eggs.
8. Also called mosquito "wigglers".
9. Neglected wading _____ can become mosquito sources.

Down:

1. Mosquitoes can carry _____ that make people sick.
3. Mosquito _____. (Sounds like "night")
5. What you do when a mosquito bite itches?
7. Spray to keep the bugs away.
9. Last aquatic form of mosquito during life cycle.

Answers: (across) 2. eggs 4. mosquito 6. water 8. larvae 9. pools
(down) 1. germs 3. bite 5. scratch 7. repellent 9. pupa

SOLVE THE SECRET CODE

| A | B | C | D | E | F | G | H | I | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| | | | | | | | | | | | | |

Match the symbols below to the symbols above to find the correct letter. Good Luck!

EXAMPLE

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| I | | A | M | |
| | | | | |
| H | A | P | P | Y |
| P | | | | |

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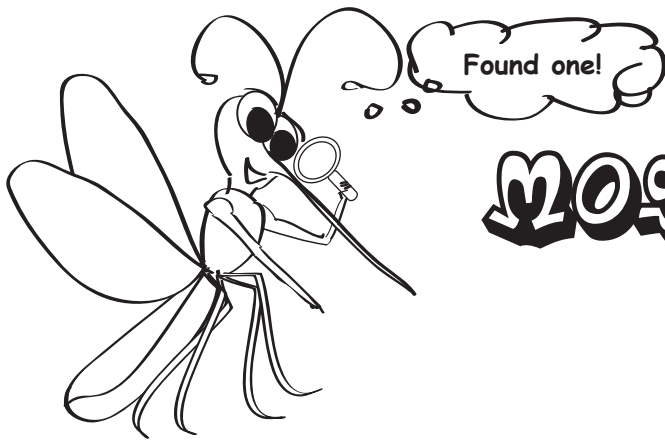
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Answers: 1. WEAR LONG SLEEVES AND LONG PANTS 2. STAY INDOORS DURING DAWN AND DUSK 3. DRAIN ALL STANDING WATER 4. WEAR INSECT REPELLENT



MOSQUITO WORD SEARCH

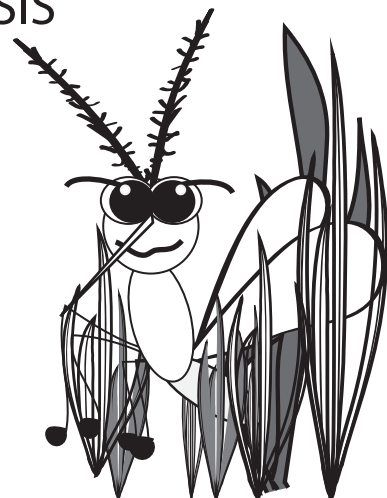
The words from the list are hidden in the puzzle below.
Find and circle as many as you can!

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | E | S | A | S | A | O | M | P | P | T | Q | N | E | I | U | D | S |
| O | A | I | N | M | E | T | A | M | O | R | P | H | O | S | I | S | L |
| E | N | C | E | P | H | A | L | I | T | I | S | E | H | C | T | I | D |
| A | N | S | T | L | U | D | A | E | I | G | B | R | I | S | D | T | A |
| E | E | O | G | S | E | H | R | P | U | D | D | L | E | S | L | E | A |
| E | T | B | H | G | A | A | I | R | Q | H | S | A | O | T | H | A | S |
| F | N | O | O | P | E | S | A | E | S | I | D | R | O | O | A | Q | E |
| A | A | R | U | I | I | F | E | A | O | P | N | V | I | G | D | W | W |
| S | O | P | O | O | T | S | A | E | M | A | D | A | O | R | N | N | P |

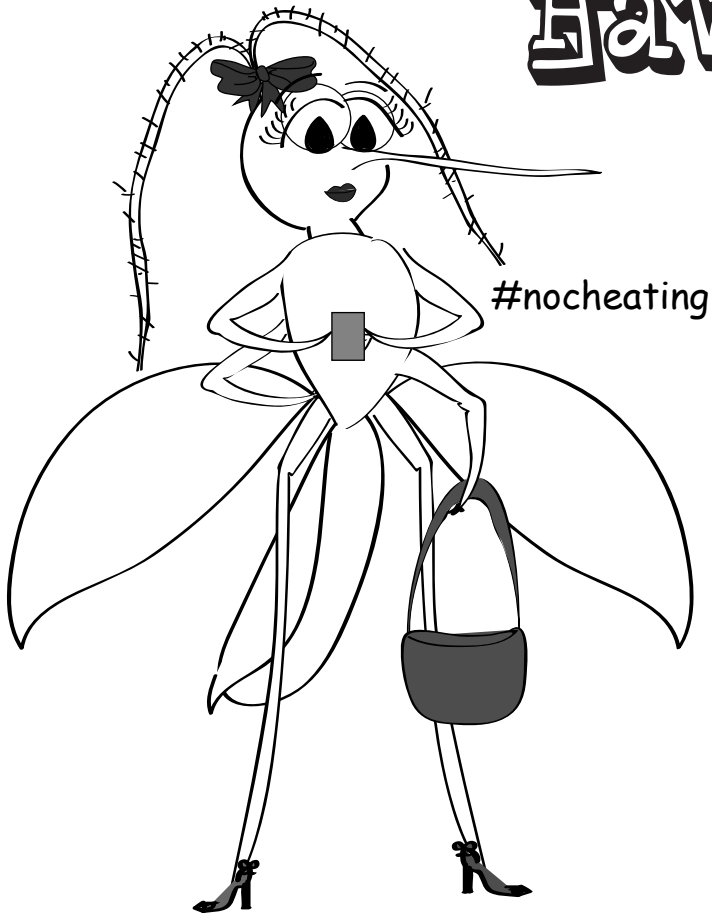
PUPA
MOSQUITO
BLOOD
DITCHES
WATER
SIPHON

MALARIA
RAFT
ANTENNAE
PUDDLES
EGGS
DISEASE

ADULT
LARVA
METAMORPHOSIS
ENCEPHALITIS
PROBOSCIS



Let's see what you have learned!



1. Where do mosquitoes lay their eggs?

2. Can you name 5 mosquito sources?

3. What is the best way to get rid of mosquitoes around your home? (Circle One)

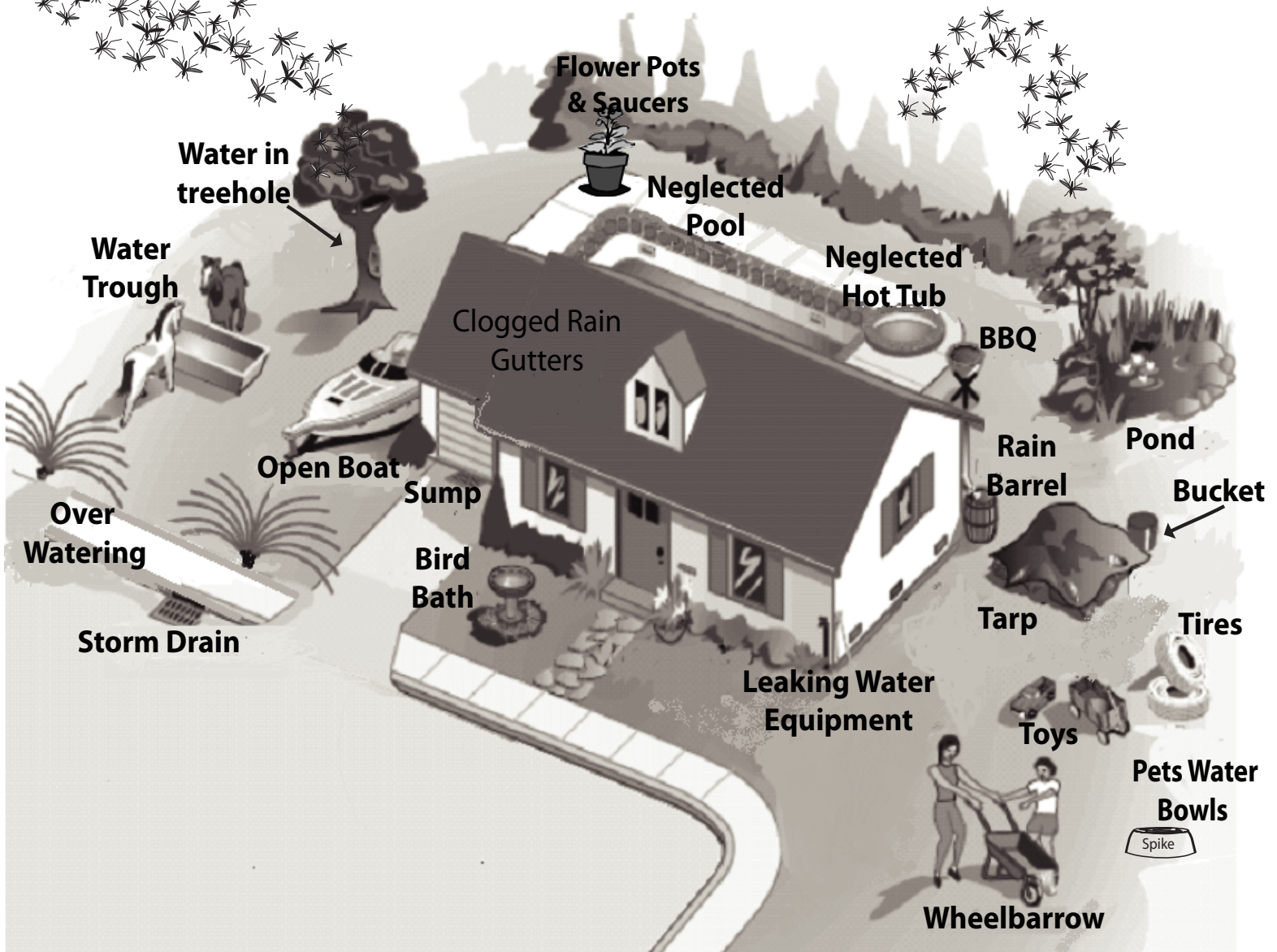
- 1.) Cut down all trees.
- 2.) Clean up trash and toys that hold water.
- 3.) Never water the lawn.

4. Why are mosquitoes sometimes dangerous?

5. What can you do to get rid of mosquitoes?

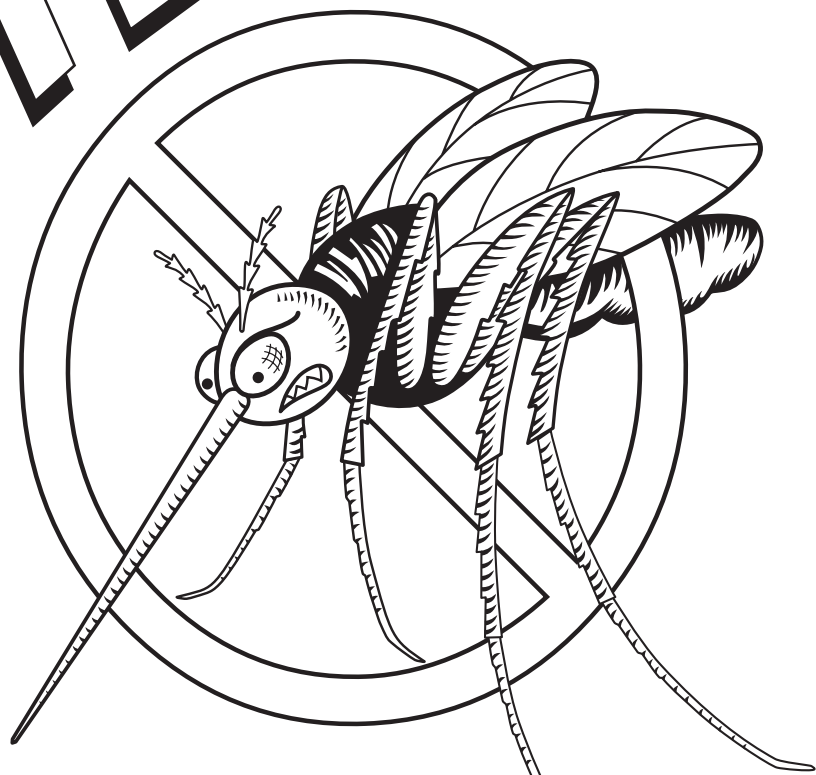


CIRCLE THE AREAS AROUND YOUR HOME WHERE YOU FOUND AND DUMPED OUT STANDING WATER



Anything that can hold water for more than a few days can breed mosquitoes.
Drain or dump all containers in and around your home at least once a week.

FLIGHT THE BITE!



Join the “Swat Team” Against West Nile virus

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