



Mosquito Trivia Face Off

Directions

This activity is intended for grades 6 - 8.

Split class into two teams and choose one member from each team to start first in a face-off. Each question is worth one point. The facilitator will read the first question out loud, then allow the contestants to buzz in (or raise their hands). The first one to buzz in with the correct answer gets the point. If correct, the corresponding team receives the point. A new student from each team will face-off in the next round.

If a contestant guesses incorrectly, the other contestant has a turn making a guess. If both contestants are incorrect, they can discuss the answer with their team. The contestant who originally buzzed in first gets the control.

Continue this until all questions are answered. The team with the most points wins.

Supplies

- ☐ Fight the Bite Mosquito Trivia Face-Off cards
- ☐ Pen and piece of paper to keep score
- ☐ Buzzer (students may also raise their hands)

Learning Objectives

- Knowledge of mosquito biology and ecology
- Identification of mosquito habitats
- Knowledge of diseases mosquitoes can carry and symptoms of the diseases
- Maine Learning Results in Health Education: A1, A3, A4, and C2



Fight the Bite: Mosquito Trivia Face-Off Questions

What part of the mosquito body fills up with blood? A: Abdomen	What does a female mosquito use to pierce the skin? A: Proboscis
What do male mosquitoes feed on? A: Plant nectar	What is the third stage of a mosquito's lifecycle? A: Pupa
Why do female mosquitoes need blood? A: To lay eggs	What part of the mosquito's body do their legs attach to? A: Thorax
What is the long feathery organ used to hear and smell? A: Antennae	What is the process of development from immature to adult mosquito called? A: Metamorphosis

What is essential for mosquitoes to complete their lifecycle? A: Water	What is an example of a natural container where mosquitoes breed? A: Spots between branches of trees or holes formed in trees where water collects, puddles. (name any)
What type of habitat has water sources present for long periods of time? A: Permanent water	What type of habitat has water sources that alternate between wet and dry? A: Flood water
What do mosquitoes use to find a host when they get closer to the host? A: Heat, moisture, or vision (name any)	What is a normal predator of mosquito larvae? A: fish, birds, dragonflies (name any)
What is the nickname for the larva stage of the mosquito? A: Wigglers or wrigglers (name one or both)	What is the nickname for the pupa stage of the mosquito? A: Tumblers
How many species of mosquitoes are currently found in the state of Maine? A: 45	How many eggs do females usually lay at one time? A: 50-300

What is an example of a man-made container that can collect water? A: Tires, buckets, flower pots, pet bowls, catch basin, bird baths, etc. (name any)	How often should you empty standing water so that mosquito larvae won't have time to complete their lifecycle? A: At least once per week
What is the man-made container that is the most common breeding site for mosquitoes around the home? A: Old/unmounted tires	What type of shirt will lower your chances of getting bitten by a mosquito? A: Long sleeved
What clothes that you wear on your bottom half will lower your chances of getting bitten by a mosquito? A: Long pants	What agency should mosquito repellent be approved by? A: Environmental Protection Agency (EPA)
Name one repellent that is approved for use on skin. A: DEET, IR3535, Picaridin, Oil of Lemon Eucalyptus (name any)	What repellent is approved for use on clothing? A: Permethrin
What is a natural repellent? A: Oil of lemon eucalyptus.	Name one symptom of EEE, WNV, or JCV? A: Headache, fever, vomiting, feeling tired, encephalitis, meningitis, stiff neck, paralysis, or seizures. (name any)

How do mosquitoes detect a human they want to bite from far away? A: Carbon dioxide, which we exhale when we breathe	What is one of the mosquito-borne diseases endemic in Maine? A: EEE, WNV, JCV
Where in the U.S. is EEE found? A: EEE is typically found on the east coast.	Where in the U.S. is WNV found? A: Throughout the continental U.S.
What is the term for a host that cannot transmit the virus to others? A: A dead-end host	What is the term for an organism that transmits the pathogen from one animal to another? A: Vector
What is the term for an animal that a mosquito can feed on? A: A host	When are mosquitoes that can carry EEE, WNV, and JCV most active? A: Dawn and dusk
What is the process called when a bird infects a mosquito that infects another bird? A: Amplification Cycle	What role does a bird play in the transmission cycle? A: A host

What role does a mosquito play in the transmission cycle? A: A vector	What role does a human or horse play in the transmission cycle? A: A dead-end host
How many stages does the life-cycle of a mosquito consist of? A: Four stages	If you are infected with a mosquito-borne illness, how long will it take for symptoms to appear? A: 3-18 days after infection
If infected with a mosquito-borne illness, how long do symptoms usually last? A: 1-2 weeks	What is the treatment for mosquito-borne illness? A: No treatment, only support