



Mosquito Jeopardy

Directions

This activity is intended for grades 3 - 5.

Draw a jeopardy board on a white board or chalkboard (see the included diagram). Break the class into teams and designate an individual to provide answers. The teacher will determine the starting team. A question bank for each category and value is provided. Choose one question per category and value for each round of the game.

The starting team will pick their first category and value and the teacher will read the corresponding clue out loud. Once the teacher finishes reading, allow the teams to buzz in (or raise their hands). The first team to buzz in will have a chance to answer. In the television version, contestants must answer in the form of a question. It is up to you if you would like to require this. If the answer is wrong, wait for another team to buzz in. If the answer is correct, that team gets the points and can choose the next clue.

If a team gets an answer wrong, they will lose the amount of points that clue was worth. In the television version, contestants can have negative points (you do not have to follow this rule).

Once the entire board is answered continue to Final Jeopardy. In Final Jeopardy, give each team a chance to write the amount they would like to wager. Reveal the question and give teams 60 seconds to write their answers. After 60 seconds, ask each team to share their answer and wager. Add or subtract points from their score and determine the winning team.

Alternatively, this game can also be played with individual contestants. Discussion points are included with some questions to emphasize learning objectives.

Supplies

- Jeopardy board (drawn on white board/chalkboard)
- Pen and paper to keep score
- Buzzer for each team or individual (optional)

Learning Objectives

- Identification of mosquito habitats
- Demonstrate personal protection methods
- Knowledge of mosquito biology and ecology



Jeopardy Clues

Category: Mosquito Biology

Value	Clue	Answer
100	This is the first stage of the mosquito life cycle.	Egg
	This is the reason female mosquitoes need to eat blood.	To produce eggs
	This is what male mosquitoes eat.	Plant nectar
200	This is the part of the mosquito body that fills up with blood.	Abdomen
	This is another name for mosquito larvae.	Wigglers/Wrigglers
	This is another name for the pupa.	Tumbler
300	This is the long, feathery organ on the mosquito's head used to hear and smell.	Antenna
	This is how many eggs a female mosquito can lay at one time.	300 eggs
	The legs, wings, and eyes of the adult mosquito develop during this stage of the mosquito life cycle.	Pupa

Category: Mosquito Habitats

Value	Clue	Answer
100	This is required for all mosquito larvae to survive and grow.	Water
	This second stage of the mosquito life cycle must be in water in order to eat and grow.	Larva
	Holes in trees that fill with water are a good example of this type of container.	Natural
200	These are commonly found around our homes where mosquitoes can lay eggs.	Man-made containers
	There are two water habitat types where mosquitoes like to lay their eggs: permanent water and this (a place where water gathers after rain or snow melts).	Flood water
	This type of mosquito habitat is present for a long time and can support many different types of plants.	Permanent water
300	This type of larval habitat does not have any predators in it to eat larvae.	Man-made containers/artificial containers
	These man-made containers are the number one mosquito breeding site around the home.	Unused car tires
	In permanent water habitats, these may eat mosquito larvae.	Predators

Category: Mosquito Protection

Value	Clue	Answer
100	Mosquitoes are most active in Maine during these times of the day.	Dawn/dusk (early morning/evening)
	Wear these to keep mosquitoes from biting your legs.	Long pants
	Wear this to keep mosquitoes from biting your arms.	Long sleeves
200	DEET is a good example of this, which you should put on before going outside.	Repellent
	You can do this to any man-made containers that are too big to dump to keep them from filling with water.	Drill holes in them
	If you find water in man-made containers around your yard, you should do this.	Dump the water out
300	Containers of water like bird baths and pet bowls should be emptied this often so that mosquito larvae won't have the chance to grow.	At least once a week
	Unlike DEET, picaridin, and IR3535, this is a natural repellent.	Oil of lemon eucalyptus
	Remove these, the number one mosquito breeding site around the home, to protect your yard from mosquitoes.	Old tires

Category: Mosquito Diseases

Value	Clue	Answer
100	This is the best way to prevent getting any mosquito-borne diseases in the first place.	Do not get bitten by a mosquito
	A common sign that a person is infected with a virus that mosquitoes carry is this, which you can measure with a thermometer.	Fever
	There are this many viruses that are passed by mosquitoes that can be found in Maine.	Three
200	The mosquitoes that spread EEE and WNV love to bite these animals.	Birds
	Animals and humans that cannot pass a virus back to another mosquito are called this.	Dead-end hosts
	Along with humans, this animal is a common dead-end host for EEE and WNV.	Horse
300	This is what we call an animal that a mosquito can feed on.	Host
	True or False: There are common outbreaks of malaria in the United States.	False
	When traveling to an area where infected mosquitoes are known to be, you can sleep under one of these to prevent mosquito bites.	Bed net

Final Jeopardy! Questions (Choose one per game)

Name the repellent that is EPA approved for use on clothing only.

A: Permethrin

What are the three viruses that can be passed by mosquitoes in Maine?

A: Eastern Equine Encephalitis virus (EEE), West Nile virus (WNV), and Jamestown Canyon virus (JCV)

Make sure that your repellent is approved by this group.

A: Environmental Protection Agency (EPA)

Mosquito Biology	Mosquito Habitats	Mosquito Protection	Mosquito Diseases
100	100	100	100
200	200	200	200
300	300	300	300
Final Jeopardy!			