



# Stay Away

Stray pets and wild animals can give you rabies.

*A Rabies Education Packet for 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Grade Students*

## Materials for Teachers

- How to Use This Curriculum
- Curriculum Rabies Q & A for Teachers
- Introducing the Topic of Rabies to Students
- Answer Keys

## Materials for Students

- Rabies Reminders (to take home)
- What Should You Do If...
- Additional Activities
- Rabies Review Quiz
- Word Search
- Memory Card Game

*This curriculum was adapted from the Massachusetts Department of Public Health, Division of Epidemiology and Immunizations, which was adapted from the New Jersey Department and Senior Services "Take the Bite Out of Rabies" curriculum.*

April 2014

# How to Use the Stay Away Curriculum

STAY AWAY includes suggested remarks for the teacher to begin the program, student activities, and materials to take home. The program can normally be completed during a regular class period, although teachers have the option of expanding the program to more than one class period. A list of optional activities has been included in this guide as a supplement to the basic program. You may use this curriculum in its entirety or modify it to meet your needs and those of the students or school.

The following approach is recommended for presenting the STAY AWAY program:

1. Review the *“Rabies Q & A for Teachers”* and other materials to familiarize yourself with the subject matter.
2. Use the *“Introduction to Rabies”* to begin the program.
3. Review the *“Rabies Vocabulary Words”* with students. Discuss any unfamiliar terms.
4. Discuss rabies, how it can be prevented, and what a child should do if bitten or scratched by an animal.
5. Engage in any or all of the rabies-related activities described in the packet.
6. Distribute Certificates of Participation to students.

Students completing the STAY AWAY program will have a better understanding of rabies and its prevention. At the completion of the program, students should be able to:

- ✓ Describe rabies and why it is an important health concern;
- ✓ Identify wildlife that are most at risk for rabies;
- ✓ Identify pets and other domestic animals that are most at risk of being exposed to or infected with rabies;
- ✓ Describe the common symptoms of rabies infection in animals;
- ✓ Describe how to protect themselves and their pets from rabies; and
- ✓ Describe the steps to take if bitten or exposed to an animal.

# Rabies Questions and Answers for Teachers

The following is provided as background information for teachers presenting STAY AWAY. It is intended to familiarize teachers/instructors with rabies and common measures for controlling rabies and preventing unnecessary exposures to the disease.

## What is Rabies?

Rabies is a fatal disease that is caused by a virus. The rabies virus is present predominantly in the saliva and nervous tissue (brain and nerve cells) of infected animals and is transmitted most often by a bite. Rabies causes an inflammation of the brain and is fatal once symptoms develop. Each year, over 6,000 cases of animal rabies are confirmed in the United States and more than 20,000 people receive anti-rabies immunizations after being exposed to a rabid or a suspected rabid animal. While rabies is a very serious disease, it is 100% preventable in humans with proper and correct medical treatment.

## What signs does an animal with rabies exhibit?

Animals infected with rabies may be aggressive and attack without fear or provocation (“furious” rabies) or may act stuporous and have difficulty walking because of partial or total paralysis (“dumb” or “paralytic” rabies). Animals that are usually only out at night may be seen during the daylight and may approach people or other animals they would normally avoid. Drooling, or what has become known as “foaming at the mouth,” may or may not be present. It is very difficult to know if an animal has rabies just by the way it acts or appears. It is important to note that the signs of rabies in animals are **highly variable** and could be any combination of the two types (“furious” or “dumb”). The only sure way to know if an animal has rabies is to euthanize it and have its brain tested.

Rabies causes an inflammation of the brain and is fatal once symptoms develop.

## Which animals are most likely to be infected?

Rabies only infects mammals; however, it is more common in some animals, particularly raccoons, skunks, foxes, and bats. In Maryland, the most common rabid animals are raccoons, bats, foxes, feral or stray cats, and skunks. Other mammals can be infected through bites from these animals, including pets and livestock. Small terrestrial rodents (such as squirrels, rats, mice, hamsters, gerbils, chinchillas) and rabbits are rarely found to have rabies. Reptiles, amphibians, fish, birds and insects do not carry rabies.

## How do people get rabies?

Rabies infection in a person is usually the result of a bite or scratch from a rabid animal. Infection can also occur when saliva from a rabid animal comes in contact with a fresh, open wound or with the eyes or other mucous membranes. Getting saliva on the surface of intact skin does not cause rabies. Nor can you get rabies simply by petting an animal.

Human rabies may develop weeks to months, and on occasion, years after a person is bitten or scratched by a rabid animal, if the person is not treated. Once symptoms develop, rabies is almost always fatal.

**Rabies infection in a person is usually the result of a bite or scratch from a rabid animal.**

## What is the treatment for people exposed to rabies?

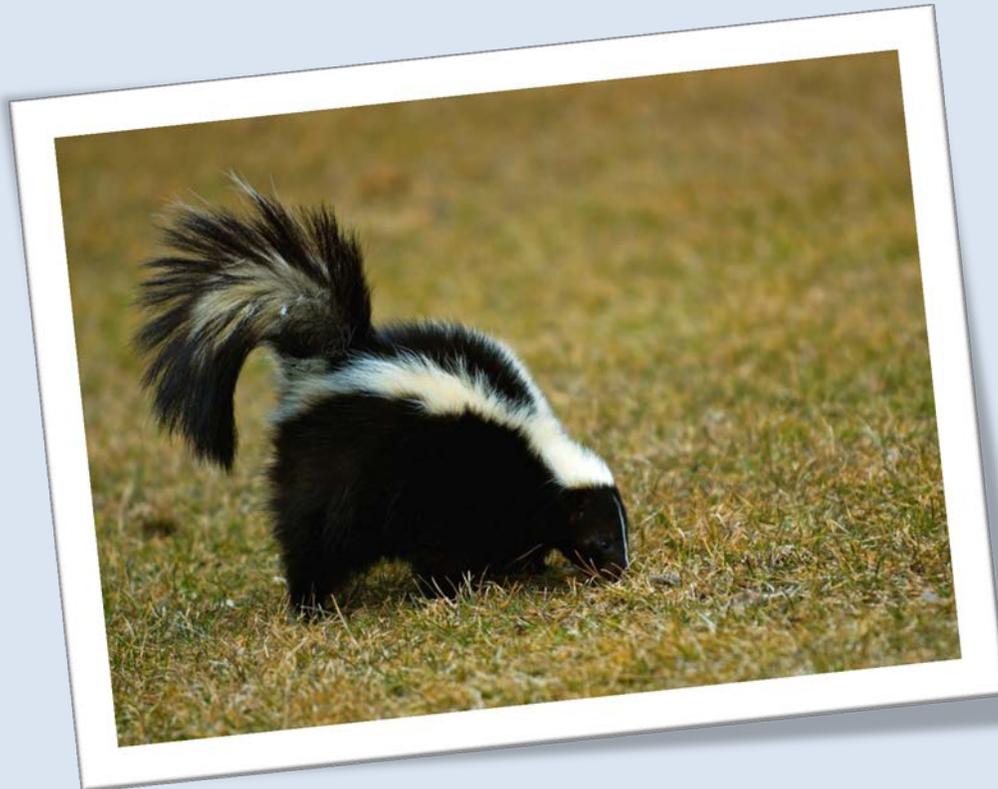
Animal bites and scratches should be immediately and thoroughly washed with soap and water. Medical advice should be sought to ensure that the appropriate treatment is provided. This could include evaluating the risk of wound infection and the need for rabies vaccination.

Before the decision is made to treat an exposed person, the exposing animal should be evaluated to determine if it has rabies. Wild animals must be euthanized and their brains tested for rabies virus. Pet dogs and cats are usually confined and observed for signs of rabies infection. It is important to contact your local Animal Control agency or health department to evaluate potential exposures. Health departments will evaluate each potential exposure and make recommendations on a case-by-case basis.

Rabies can be prevented by immunization, if administered correctly and shortly after exposure. The treatment for people exposed to rabies involves two medications. One, called rabies immune globulin (or RIG), contains preformed antibodies to fight the virus and is given once. The other medication is rabies vaccine, which ensures longer-lasting protection, and is given as four or five shots over the course of a month. People who have received the full series of rabies shots in the past only need two rabies vaccine shots if exposed again. To prevent rabies, the medication should begin as soon as possible after the bite or scratch. However, if the animal has been caught and will be tested, you can wait for the test results to see if the shots are necessary.

## **What would I have to do if my dog, cat, or ferret is bitten or exposed to rabies?**

Depending on the circumstances of the exposure and whether the exposed cat, dog, or ferret was currently vaccinated, it would likely have to be observed for a specified period of time to be sure that it does not come down with rabies. Vaccination is not 100% effective in preventing rabies in pets. Your local Animal Control officer or veterinarian will be able to assist you. In addition, the Maryland Department of Health and Mental Hygiene is an excellent resources: [www.dhmh.maryland.gov/](http://www.dhmh.maryland.gov/)



## How can exposure to rabies be prevented?

### **1. Vaccinate all cats, dogs and ferrets.**

Unvaccinated domestic animals can be infected with rabies through contact with rabid animals and could then transmit rabies to people but vaccinations for rabies must be kept current. Maryland law requires that all dogs, cats and ferrets four (4) months of age and older be vaccinated against rabies. Even if you consider your dog, cat or ferret an indoor pet, it is very important to vaccinate ALL dogs, cats and ferrets because wild animals (especially bats) often get indoors, or your pet could get outside when a door is open. In certain situations it is also recommended to vaccinate livestock.

### **2. Avoid any contact with wild animals.**

Do not feed or touch wild animals. Do not try to rescue or help injured animals or touch their babies. You are likely to get bitten and could be exposed to rabies. Call your local Animal Control for help.

### **3. Secure your yard and home.**

Keep garbage cans covered with tight-fitting lids. Do not leave pet food outdoors. Prevent animals from getting into your home by placing a cap (screened cover) on your chimney, keep garage doors closed, and eliminate places where animals can take up residence.

### **4. Avoid contact with stray animals.**

Strays are more likely to come into contact with wildlife that could be infected with rabies. They may bite or scratch you and may not be vaccinated against rabies.

### **5. If you are bitten or possibly exposed to rabies:**

Wash the wound thoroughly with lots of warm water and soap. Seek immediate medical attention from your doctor or local hospital emergency room.

# **Introducing the Topic of Rabies to Students**

Use this information to introduce the STAY AWAY program to students. If you are not the students' regular classroom teacher, briefly introduce yourself. Inform the students that you will be discussing an important health problem: RABIES. Ask students to answer the following questions so that you may gauge their understanding of the disease. Provide additional information as needed.

## **What is rabies?**

Rabies is a deadly disease caused by a virus (a germ so small you can't see it). Rabid animals can be found almost anywhere in the world. It is a disease that makes mammals very sick. These animals eventually die, but before they die they can often infect other mammals.

## **How do animals get rabies?**

The rabies virus is found in the saliva of infected mammals. When an infected animal bites a healthy animal, the healthy animal may get rabies, too.

## **How do animals act when they have rabies?**

Animals that have rabies may act differently than they would normally. They may be more likely to attack or may look like they are sick or drunk. They do not always drool or "foam at the mouth." Animals that are usually out only at night may be seen during the day. They may act aggressive or lose their fear of humans. Sometimes, however, animals may look normal and still have rabies.

## **What are the most common animals that get rabies?**

Mammals such as raccoons, skunks, bats, cats, woodchucks, foxes, and dogs are the animals that are most commonly found to have rabies. These animals can bite other animals, even a pet dog or cat, and make them sick. It is important to protect your pet cats, dogs, and ferrets. If they are bitten and get rabies, they could get very sick and die. They could also give rabies to us. Livestock, such as cattle, horses, sheep, pigs, and goats, can also get rabies if bitten or exposed to a rabid animal. Pets like gerbils and hamsters do not usually get rabies because they are kept in indoor cages. Squirrels, chipmunks, other rodents, and rabbits rarely get rabies. Reptiles, amphibians, fish, birds, and insects never get rabies.

## **Can people get rabies?**

If you are bitten or scratched by an animal that has rabies, you can get rabies, too. But you can protect yourself if you wash the wound with lots of warm water and soap. Tell an adult immediately if you are bitten or scratched and see a doctor promptly.

## **Why don't wild animals make good pets?**

It is illegal to adopt or keep a wild animal as a pet in Maryland. Wild animals cannot be vaccinated against rabies and may bring the disease into your home. They are also difficult to train and will naturally die.

## **How can we protect ourselves and our pets from rabies?**

Make sure your cats, dogs, and ferrets have current rabies shots. Stay away from wild animals and animals you do not know. Be extra careful on field trips or whenever visiting an area where you may encounter wildlife or stray animals.



# Rabies Reminders

(Post these on your refrigerator)

## 1. Have your pets vaccinated against rabies.

A rabies vaccination shot will help protect your dog, cat or ferret from rabies. Make sure your pets stay up-to-date on their vaccination shots.

## 2. Do not go near wild animals.

Raccoons, skunks, foxes, bats and other wild animals may be infected with rabies and should not be touched.

## 3. Stay away from stray animals.

Cats and dogs that roam outdoors are more likely to be infected with rabies and may bite you. Do not try to feed or pet them.

## 4. Make sure that your home and yard do not attract wild animals.

Keep garbage cans tightly covered. Do not leave pet food outdoors. Your parents could cap chimneys and seal places where animals can get in and hide.

## 5. If you are scratched or bitten by an animal...

- ✓ Wash the wound with lots of soap and water.
- ✓ *Tell an adult and have them call your doctor right away.*

To report a wild or stray animal in your neighborhood,  
call Animal Control at:

**410-222-8900**

# What should you do if...

## **Situation #1**

You are walking through the woods with a friend and you come upon a young fox. Your friend wants to take the fox home. What do you do?

## **Situation #2**

One afternoon you are sitting in your yard, reading. You hear noise! It is a raccoon, which has gotten into a trash can. What do you do?

## **Situation #3**

Your cat came home with a bat in its mouth. What do you do?

## **Situation #4**

Your little sister walks across the street to pet a stray cat that you have not seen around before. What do you do?

## **Situation #5**

You are on your way home from school when you see a dog that appears to be gagging and choking. What do you do?

## **Situation #6**

You are walking along with a group of friends. You reach out to pet a stray dog and it bites you. What do you do?

## **Situation #7**

You look out the back window and see a drunk-looking skunk, wandering through your backyard. Its fur is straggly and it falls from time to time. What do you do?

## **Situation #8**

You are at a friend's house and his dog comes in from wandering in the woods. The dog is glad to see you and licks you both. You notice that the dog has no collar or tags. When you ask, your friend tells you that his family has taken in a stray. What do you do?

### **Situation #9**

You find a dead raccoon. You would like to examine it to find out why it died. What do you do?

### **Situation #10**

Your dog comes indoors and you discover that it has been in a fight and has been bitten. What do you do?

# What should you do if...

(Teacher's Sheet)

## Situation #1

You are walking through the woods with a friend and you come upon a young fox. Your friend wants to take the fox home. What do you do?

*Stay away from the fox. Tell your friend not to touch it and explain why. Wild animals may have rabies. It is also against the law to have wild animals as pets. Not only is it illegal, it is extremely unwise because wild animals remain wild, even after extended captivity. They are unpredictable and their behaviors are often destructive and dangerous.*

## Situation #2

One afternoon you are sitting in your yard, reading. You hear noise! It is a raccoon, which has gotten into a trash can. What do you do?

*Leave and tell an adult! Trying to remove the raccoon could put you in danger of being bitten. Ignoring the animal is not a good idea either, because if it is diseased it could attack you. If you are reading you might not notice the animal approach until it is too late to escape. Once the raccoon is gone, check your trash cans and perhaps even place them in the garage or shed. Wear gloves to pick up any trash. Be sure covers are on tightly latched and cannot be removed by a raccoon.*

## Situation #3

Your cat came home with a bat in its mouth. What do you do?

*Avoid contact with the bat. Tell an adult. You should also avoid contact with the cat in case it has bat saliva on it.*

## Situation #4

Your little sister walks across the street to pet a stray cat that you have not seen around before. What do you do?

*Tell her to stay away from this stray animal. You don't know where it has been, whether another animal has bitten it or whether it has been vaccinated against rabies. This is no time to take chances!*

## **Situation #5**

You are on your way home from school when you see a dog that appears to be gagging and choking. What do you do?

*Avoid the animal and tell an adult. It is dangerous to approach an animal that is showing signs of rabies.*

## **Situation #6**

You are walking along with a group of friends. You reach out to pet a stray dog and it bites you. What do you do?

*Tell an adult immediately. Wash the bite wound with warm, soapy water for 10 minutes and call or go to the doctor's office or Emergency Room. The doctor will tell you whether you will need shots to prevent rabies.*

## **Situation #7**

You look out the back window and see a drunk-looking skunk, wandering through your backyard. Its fur is straggly and it falls from time to time. What do you do?

*Stay inside until the skunk is gone or has died. Do not approach the skunk, even if you think it is dead. Keep your pets inside. Tell an adult. Have them call Anne Arundel County Animal Control at 410-222-8900 and let them know about the skunk and its location.*

## **Situation #8**

You are at a friend's house and his dog comes in from wandering in the woods. The dog is glad to see you and licks you both. You notice that the dog has no collar or tags. When you ask, your friend tells you that his family has taken in a stray. What do you do?

*Wash the skin where you were licked with warm soap and water. Your friend's family should have brought the dog to a veterinarian when they took it in. If this did not happen, have an adult call the local Animal Control officer.*

## **Situation #9**

You find a dead raccoon. You would like to examine it to find out why it died. What do you do?

*Don't touch the animal. It may have died of rabies or it may have been carrying the disease. Find an adult to bury the animal using gloves and a shovel to avoid contact*

*with the carcass. The adult may call the local Animal Control officer to report the incident.*

### **Situation #10**

Your dog comes indoors and you discover that it has been in a fight and has been bitten. What do you do?

*Tell an adult. Have the adult call the veterinarian. Do not touch the dog's wound or let fluid from the wound come into contact with your skin.*

# **Additional Activities**

## **Build a Bulletin Board**

Create a classroom or school display board on the topic of “Rabies Prevention.” The display board(s) could be posted outside the classroom, in the library, or at the school’s entrance. Students could cut pictures from magazines or newspapers, write essays about their pets and the importance of rabies prevention, list the most important steps to take to prevent rabies, and create other rabies prevention visuals. Current events such as Rabies Vaccination Day (for pets) could also be posted.

Get information about rabies from your local health department website ([www.aahealth.org](http://www.aahealth.org)) or from the Maryland Department of Health and Mental Hygiene website ([www.dhmh.maryland.gov](http://www.dhmh.maryland.gov)).

## **Identify Telephone Numbers for Your Community**

Different people and agencies have different responsibilities related to wildlife and to rabies. The local health department or the Maryland Department of Health and Mental Hygiene, for example, deal with issues affecting human health. The local Animal Control agency and the Maryland Department of Natural Resources deal with wildlife issues and the health of wildlife. They are not medical doctors and cannot give medical advice. The best person to advise on your personal health is your health care provider. Find out what individuals or groups in your community may be of service in dealing with sick raccoons or other animals.

Make up a list of phone numbers. If you can, make a sticker with the relevant phone numbers for students to bring home.

## **Invite a Veterinarian or Visit an Animal Shelter**

Invite a local veterinarian or Animal Control Officer to speak to your class about rabies, how she/he deals with animals suspected of having rabies, how to protect pets, and responsible pet care. Or, if possible, arrange a field trip to an animal shelter so children can learn about pet care and animal health and safety. Ask in advance to make sure that students will not be exposed to animals with uncertain vaccination histories.

## **Put on a Skit**

Create a classroom skit/play emphasizing how to protect oneself, one’s pets, and one’s family from rabies. Include information about what children should do if they have contact with wildlife or if an animal bites them.

## **Health or Science Fair**

Conduct or participate in a health or science fair. The theme of the fair or your table could be “Animal Health and Rabies Prevention.” Alternately, students could help out at the local Rabies Vaccination Day by setting up an information booth and handing out information. Contact your local health department, Animal Control or animal shelter to inquire about local Rabies Vaccination Days.

## **Visit the U.S. Centers for Disease Control and Prevention’s “Rabies and Kids” web page:**

<http://www.cdc.gov/rabiesandkids/>

## **Read a Comic Book**

Visit the Arizona Department of Health and Human Services to read an educational comic book on bat bites and rabies created by the Maricopa County Animal Care and Control.

“My Friend Toby: Bat Bites (English):”

[http://www.azgfd.gov/i\\_e/ee/resources/posters/bat\\_comic.pdf](http://www.azgfd.gov/i_e/ee/resources/posters/bat_comic.pdf)

“My Friend Toby: Bat Bites (Spanish):”

[http://www.azgfd.gov/i\\_e/ee/resources/posters/bat\\_comic\\_span.pdf](http://www.azgfd.gov/i_e/ee/resources/posters/bat_comic_span.pdf)

## **Hold a Poster Contest!**

Ask students to create posters on rabies prevention utilizing information from the curriculum.

# Rabies Review

Choose the best answer to the following questions below.

## A. TRUE or FALSE (Answer each question true or false.)

- \_\_\_\_\_ 1. Rabies is a serious health problem.
- \_\_\_\_\_ 2. Stray cats and dogs may be infected with rabies.
- \_\_\_\_\_ 3. The best way to protect your cat and dog from rabies is to make sure it has a current rabies shot.
- \_\_\_\_\_ 4. Even though a raccoon may act friendly, it should never be touched.
- \_\_\_\_\_ 5. Wild animals do not make good pets.

## B. VOCABULARY MATCHING (Draw a line from the word to its definition.)

STRAYS	A disease that affects mammals.
RABIES	The most likely way of getting rabies.
RACCOON	Animals that live outdoors in the wild.
WILDLIFE	The most common animal with rabies in Maryland today.
VIRUS	A germ that causes a disease.
BITE	Pets that have lost their owner.

## C. MULTIPLE CHOICE (Read the question and circle the best answer.)

- To help keep unwanted animals away from your home,
  - Leave bowls of pet food on the deck.
  - Keep garbage in tightly covered garbage cans.
  - None of the above.
- If you are bitten or scratched by an animal, you should:
  - Wash the wound with lots of soap and water. Tell an adult.
  - Chase the animal.
  - Do nothing.
- Animals that most often get rabies are:
  - Raccoons, skunks, foxes, and birds.
  - Raccoons, skunks, foxes, and bats.
  - Raccoon chipmunks, and squirrels.

# Rabies Review

(Answer Sheet)

## Part A: TRUE or FALSE

1. TRUE
2. TRUE
3. TRUE
4. TRUE
5. TRUE

## Part B: VOCABULARY MATCH

STRAYS	A disease that affects mammals.
RABIES	The most likely way of getting rabies.
RACCOON	Animals that live outdoors in the wild.
WILDLIFE	The most common animal with rabies in Maryland today.
VIRUS	A germ that causes a disease.
BITE	Pets that have lost their owner.

## Part C: MULTIPLE CHOICE

1. B
2. A
3. B

Rabies Vocabulary Words

It is suggested that the teachers review the following terms and phrases with students. (Some words may be too advanced for children in lower grades):

<b>Rabies</b>	A disease that affects the brain of mammals, caused by a virus, and usually spread by a bite.
<b>Virus</b>	One type of germ that causes disease – so small you can't see it.
<b>Infection</b>	When a germ enters the body of an animal or person and causes a disease.
<b>Wild Animal</b>	Animals living outdoors in the wild that should not be kept as pets.
<b>Mammal</b>	A warm-blooded animal that has hair and produces milk (as opposed to fish and reptiles which are cold-blooded animals, and birds which do not have hair or produce milk).
<b>Stray Animal</b>	A pet that has lost its owner or is allowed to roam outdoors uncontrolled.
<b>Vaccinate</b>	To give a shot to prevent animals and people from getting rabies or other diseases.
<b>Rabies clinic</b>	A place where you can get your pet vaccinated against rabies.
<b>Animal-proof</b>	Keeping things around your home, such as garbage cans and chimneys covered to keep raccoons and other animals out. Not leaving food outdoors that might attract these animals.
<b>Veterinarian</b>	A doctor who takes care of animals.
<b>Animal Control Officer</b>	A person who helps control rabies in your community. One way the Animal Control Officer helps is by capturing stray cats, dogs, and other animals that might have rabies.
<b>Local health department</b>	A group of people working in your community to help protect you from rabies and other diseases.

# Rabies Word Search

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*Can you find the hidden words?*

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

**BAT**

**BITE**

**FOX**

**RABIES**

**RACCOON**

**SKUNK**

**STRAYS**

**VIRUS**

**WASH**

# Rabies Word Search

*Can you find the hidden words?*



**BAT**

**BITE**

**FOX**

**RABIES**

**RACCOON**

**SKUNK**

**STRAYS**

**VIRUS**

**WASH**

# Rabies Memory Game

Animal Control  
Officer



Animal Control  
Officer



Bite



Bite



Rabies

Rabies

Raccoon



Raccoon



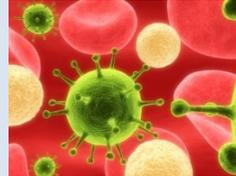
Veterinarian



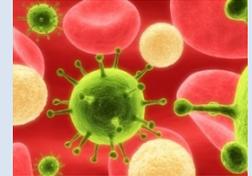
Veterinarian



Virus



Virus



Mammal



Mammal



Wildlife



Wildlife



Stray Animal



Stray Animal



Vaccine



Vaccine



Health Department



Health Department



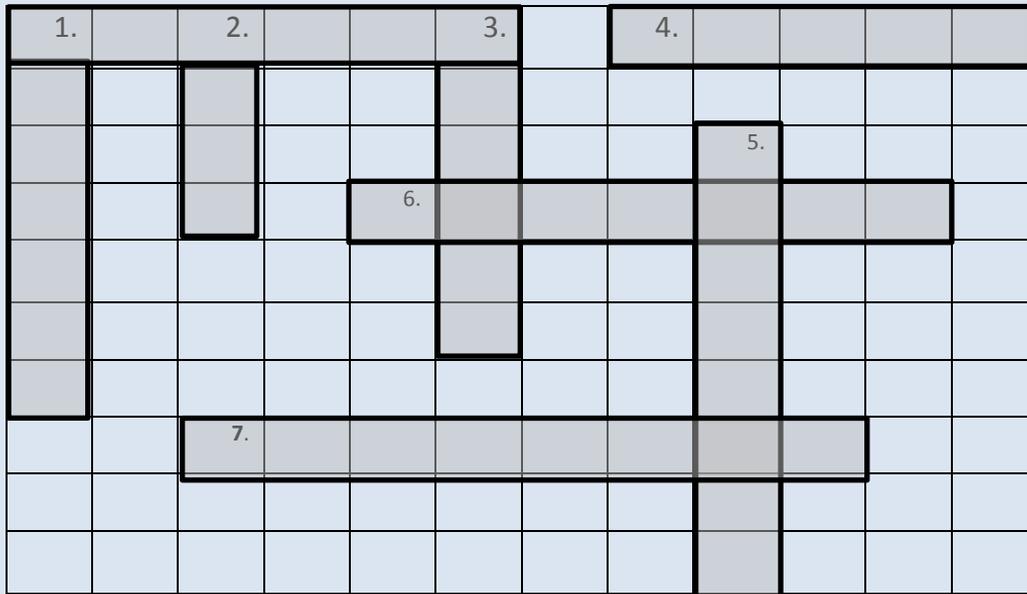
Infection



Infection



# Rabies Crossword Puzzle



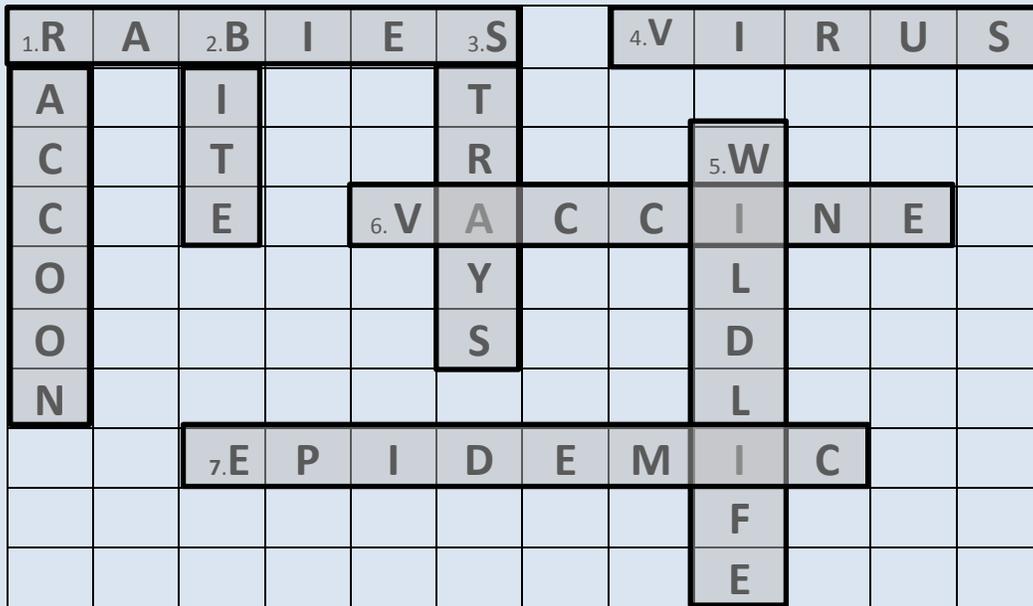
## ACROSS

1. a disease spread by saliva
4. a germ
6. shots that protect pets from getting rabies
7. rapidly spreading disease

## DOWN

1. one of the most common rabid animals
2. way of transmitting rabies
3. pets that don't have a home
5. animals that live outdoors

# Rabies Crossword Puzzle



## ACROSS

1. Rabies
4. Virus
6. Vaccine
7. Epidemic

## DOWN

1. Raccoon
2. Bite
3. Strays
5. Wildlife

# ★ STAY AWAY ★

*Stray pets and wild animals can give you rabies.*

This Certificate is presented to:

\_\_\_\_\_

for the completion of an educational program  
on rabies awareness and prevention.

Teacher: \_\_\_\_\_

Date: \_\_\_\_\_

School: \_\_\_\_\_

