

Case #1

Mark has a high fever and an upset stomach. Mark always eats lunch with his friend Steve, who was coughing a few days ago and is now staying home sick from school. Mark’s teacher asked him if he had a vaccination this year, but Mark does not remember getting any shots in the last few years.



Case #2

Soma has just returned from a family camping vacation in the woods and she has been having headaches for the past few days. Soma has a circular rash near her ankle. She has been vaccinated against the varicella- zoster virus.



Case #3

Tyron has a sore throat and chills. Many of Tyron’s friends from school are home sick and are taking antibiotics. Tyron’s school nurse suggests that he get a throat culture, but Tyron insists that he already got the influenza vaccine.



Case #4

Jing is a new student in school—she has only been there for 30 days. She used to be homeschooled, so she hasn’t been around very many other students her age before. Jing has had a high fever and has been feeling very tired for days. Her mom tells her to stay home from school. The next day, Jing sees very small, red blisters on her face. Jing has never been vaccinated for anything.



Case #5

Jorge is a new student in school. He has spent most of his childhood in Ecuador until his family recently moved to the US. Jorge has developed a bad cough for the past 4 weeks and has been complaining of a pain in his chest. The doctor did an x-ray of his chest and suggested he be treated with antibiotics along with members of his family concerned about transmitting the disease to them as well.



Case #6

Rick was in a car accident several years ago in which he was severely injured. He required a blood transfusion due to the loss of a lot of blood. He has been recently complaining of a high fever, headache, and fatigue. He said he had all his vaccinations but was still feeling fatigued and ill. He claimed he had been to the doctor and was given medicines to slow the disease but said there is no cure.

The Case of the Mysterious Disease Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Classwork Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Per. \_\_\_\_\_

A detective uses clues to determine which Suspect has caused a crime and presents evidence to solve the Case. Use the clues I each case to figure out which one of the Disease Suspects is the criminal. Then give evidence to support why you think that Disease Suspect is guilty of causing illness and answer the questions below.

Case #1

Which disease does Mark have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How is this disease spread? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What evidence do you have for your conclusion? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Is this disease caused by bacteria or a virus? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the name of the bacteria or virus? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How could this disease have been prevented? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Case #2

Which disease does Mark have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How is this disease spread? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Case #3

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How is this disease spread? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Use the information you learned from your diseases to answer the questions.

1. What is a vector?
2. What does inactivated mean?
3. How does a vaccine help your body?
4. What does HIV stand for?
5. What does transmitted mean?
6. What are symptoms?