



# knowledge quiz

## Viruses

Name \_\_\_\_\_

1. Which of the following is necessary for a virus to reproduce?  
A. a living host cell  
B. a vaccine  
C. a high body temperature  
D. sunlight, water, and food
2. Vaccines protect us against dangerous viral diseases by training the body to recognize and destroy specific invading viruses. Vaccines are made from  
A. weakened or dead versions of a dangerous virus.  
B. antibiotics.  
C. human white blood cells.  
D. medicines that cure the symptoms of viral diseases.
3. Which of the following diseases has NOT been reduced or eliminated by vaccines?  
A. smallpox  
B. AIDS  
C. polio  
D. measles
4. A natural vaccination happens when  
A. a doctor gives a person a measles vaccine.  
B. a person becomes immune to chicken pox after contracting it.  
C. a person catches a cold.  
D. after contracting influenza once, a person can contract it again.
5. Viruses are carried within the fluids and tissues of the body. They are spread between people in different ways, including  
A. contact with contaminated blood.  
B. insects that transmit infected blood.  
C. contact with contaminated saliva or mucus.  
D. all of the above.



# knowledge quiz

## Viruses

6. The immune system protects the body from disease. Because the AIDS virus weakens the immune system,
  - A. **people with AIDS are more vulnerable to other diseases.**
  - B. the AIDS virus is spread very easily.
  - C. people with AIDS are immune to all other diseases.
  - D. all of the above.
  
7. Viruses in the body are destroyed by
  - A. red blood cells.
  - B. **white blood cells.**
  - C. vaccines.
  - D. antibodies.
  
8. Before its extinction in 1978, for how long had humans been affected by smallpox?
  - A. 60 years
  - B. 400 years
  - C. 1,000 years
  - D. **over 3,000 years**
  
9. Some types of viruses are spread between animals and humans. An example of this is
  - A. **a dog infected with rabies can infect people by biting them.**
  - B. all colds are spread from cats to people.
  - C. horses often spread chicken pox to children.
  - D. a deer infected with measles will infect anyone who walks near it.
  
10. What ability do viruses have that we are trying to turn to our own advantage?
  - A. the ability to target specific areas of the body
  - B. the ability to spread quickly
  - C. **the ability to break into cells**
  - D. the ability to mutate and evolve