

Name _____

Period _____

5.1 Understanding Infectious Disease Review

1. What is a pathogen?

a. Name 4 types of pathogens.

2. How do pathogens cause infectious disease?

3. What is a virus?

a. How is a virus different from bacteria?

4. What are four ways that infectious diseases can spread?

5. If you were traveling to a country where mosquito-borne diseases were common, how you protect yourself from getting infected?

6. Why do you think that communities boil their drinking water after a water line break?

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60 Minutes - Polio and Brain Cancer

Click on the following link and watch the video from the beginning until 28 minutes, then answer the questions below.

<https://goo.gl/Hw6b2k>

1. Why do you think doctors/researchers would try such an aggressive treatment?

2. How does the polio virus work against the tumor in the patients with glioblastoma?

3. With the first patient, Stephanie, what was the initial reaction when polio was injected into her tumor?
 - a. After 5 months of treatment, what did doctors find?

 - b. As of 2014, is Stephanie cancer free?

4. What is the purpose of a phase 1 study?

5. What was unique about Brenden's experience with the study?
 - a. Is Brenden cancer free?

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5.4 Risks of Sexual Activity Review

1. What is a sexually transmitted infection?
2. What are three risky behaviors that contribute to the current STI epidemic?
3. Explain how practicing abstinence, avoiding drugs, and your choices of friends can help you avoid STIs.
4. How is the fact that some STIs have few or no symptoms related to the STI epidemic?
5. Explain how refusal skills (saying no) and effective communication are important skills that teens can use to avoid STIs.

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5.5 Kinds of STIs Review

1. What are 3 types of the most common STIs in the United States and the pathogens that cause them?

2. Why is pelvic inflammatory disease a serious problem in women?

3. List the symptoms of hepatitis, gonorrhea, genital herpes, and syphilis.

4. Which stage of syphilis is characterized by the appearance of a chancre?

5. When should a person seek treatment for STIs?

6. Which of the STIs that you learned about in this section can be treated but not cured?
 - a. Which can be cured if treated early?

7. Suppose a friend is worried about a possible STI. Write a letter to your friend offering your advice about what to do.

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5.6 HIV and AIDS Review

1. Explain how HIV affects the immune system and how it eventually leads to AIDS.

2. What is meant by an opportunistic infection? Give an example.

3. What are four ways that HIV can be transmitted from an infected person to an uninfected person?
 - a. List 3 ways that HIV is *not* transmitted.

4. Which region of the world accounts for the majority of HIV infections?

5. Should teens in the United States be concerned about the global AIDS problem? Why or why not?

6. HIV is more common in poorer countries than in wealthier countries. Why do you think this might be the case?

