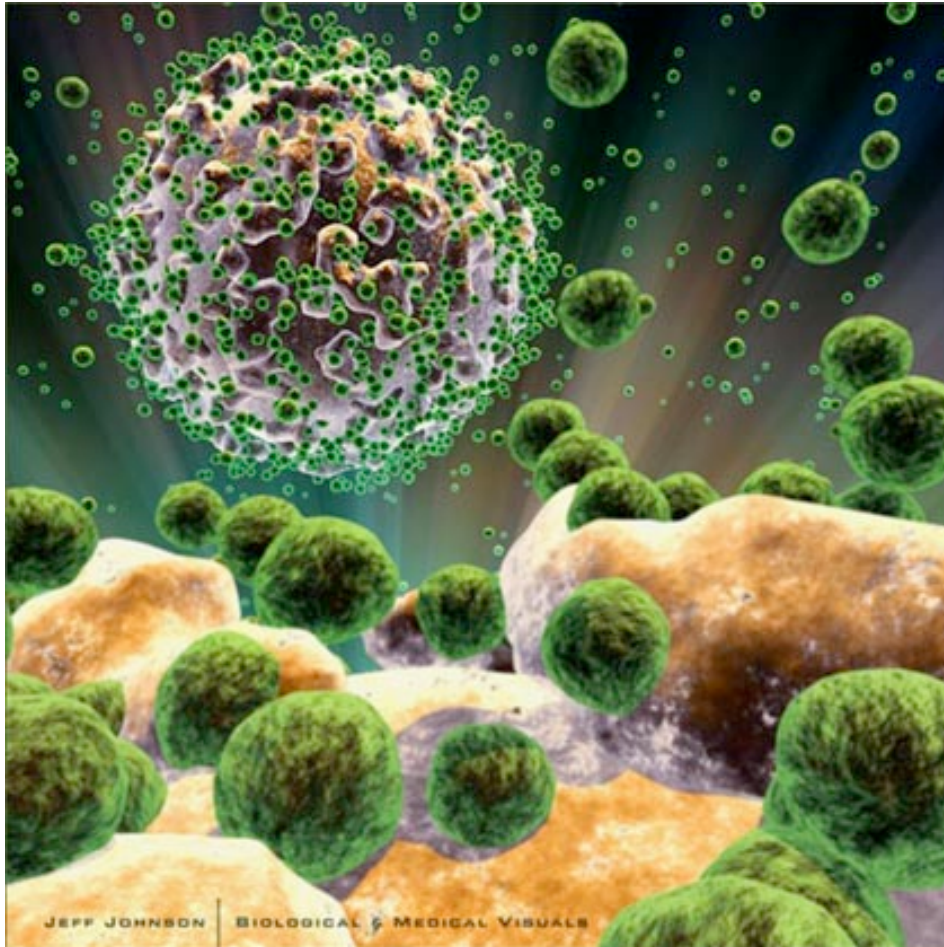


Name _____

INFECTIOUS DISEASE AND PREVENTION

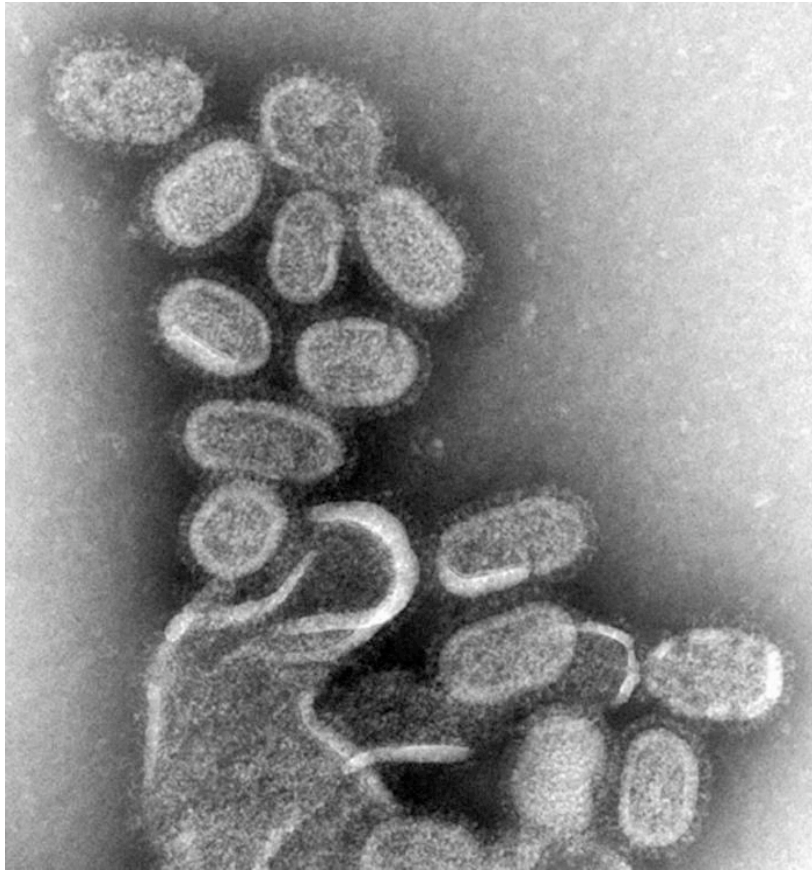


Goal: The student will have a basic understanding of what infectious diseases are, how they are spread, and what students can do to prevent them.

Name _____

Infectious Diseases:

What are they?



Objective #1: The student will be able to explain/define an infectious disease.

Infectious Disease Learning Packet 1

1. Your teacher has just helped your class “brainstorm” some ideas as to how to define what an infectious disease is. Please copy this definition down so that you will remember it.

Infectious means capability of causing and spreading infection

A Disease is a harmful condition that impairs (damages) normal functioning

An Infectious Disease is harmful conditions that impair normal body function by infections that can be spread

2. In the space below, fill in the “**T**” (What you **think** you know about infectious disease), and the “**W**” (What you **want** to learn about infectious disease) on your **TWL** chart of Infectious Diseases. Remember that you will fill in the “**L**” (What you have **learned** about infectious diseases) **AFTER** we are **done** studying this unit! It will be so exciting to see how much you and your classmates will have learned by the end of this unit!

T W L Chart on Infectious Disease

What I THINK I know about infectious disease:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

What I WANT to know about infectious disease?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

AFTER you have completed this packet, you will be coming back to this page and recording below what you LEARNED about infectious disease. You will then be able to go back to your previous lists and will be amazed by what fantastic information you have learned!

What I have **LEARNED** about infectious diseases.

1. _____

Infectious Disease Learning Packet 1

2. _____

3. _____

4. _____

5. _____

6. _____

*** If you need more space, attach your own lined paper to this packet. If you would like to have drawings in your chart, please include them!

Teacher Instructions

Activity Three: "Glitter to Meet You" (15-20 minutes)¹

Many people disregard the ease of disease transmission until they get sick. Generally, pathogens are transmitted from one person to another. However, transmission can be reduced through preventive health behavior methods. Using six different colors of glitter, students will demonstrate how easily pathogens can be transferred.

- 1) Ask for six student volunteers.
- 2) Give each volunteer a different color of glitter to spread on the palm of their right hand.
- 3) Announce that each of the colors of glitter represents a different pathogen, some being harmful.
- 4) With the six volunteers standing in a line, have the first person shake the right hand of the second person, and continue to the end of the line.
- 5) Have each student hold up their right hand to show the rest of the class how many pathogens they have hypothetically come in contact with. The sixth person should have all six colors of glitter.
- 6) Discussion questions:
 - * How common are handshakes in our society?
 - * How often do you wash your hands after touching another person?
 - * Do you have a habit of rubbing your eyes or putting your hands near your nose or mouth? How might this habit increase disease transmission?
 - * What are some ways we can prevent hand-to-hand transmission of pathogens?

¹ Howard, E. and D. Nozicka. (November 2000). From Life Savers to Glitter: Interactive Activities to Teach About Infectious Disease. *American School Health Association, Vol. 70(9): 385-386.*

3. From your “Glitter” experiment, you have seen how infectious diseases are spread. How can you use this information to help you become a more healthy person? I can use this information to become a more healthy person by

wash your hands, use tissue, stay home from school when sick, cover your sneezes and coughs

4. You have just learned some interesting and new vocabulary words that will help you in your unit on infectious disease. Please define the following terms so that you do NOT forget them. Remember to read them over each day so that you learn and understand them better.

Infectious: capability of causing and spreading infection

Infection: introduction of a pathogen, disease, causing harm to the body

Pathogen: something that can cause disease, such as a bacterium or a virus

Causative Agent: something that makes (or causes) something else to happen

Activity: Use “Disease” cards and play “Find My Buddy”.

Directions: Students are given a card. Half the students have a picture card with the name of the disease on it and the other half have the explanation/definition of the disease on their card. Cards can be found on the CDC website (<http://www.cdc.gov/gcc/exhibit/cards.htm> and <http://www.cdc.gov/gcc/exhibit/cards2.htm>).

The students with the pictures stand on one side of the room holding their cards. Each student, taking turns, reads orally to the class their “disease explanation” and they try to match it to a picture of the disease (that the other half of the class is holding). If the student is having trouble matching, classmates can help or teacher can give additional clues. After the card is matched students can pin their cards up on the bulletin board. Then they can reread and look at them later. Matching continues until all have had their turn.

Learning Packet Assignment

- What is a disease? What is an infectious disease?
- Group/class decides how to define disease.
- Students neatly write or print the definition for disease.
- Definition of Disease= a harmful condition that impairs (damages) normal functioning
- Class defines infectious disease.
- Students neatly write or print the definition for infectious disease.

Students write at least 2 sentences as to which infectious disease was most interesting to them and why.

Infectious Disease Learning Packet 1

- Definition of Infectious Diseases= harmful conditions that impair normal body function by infection that can be spread.

5. After playing the game “Find My Buddy”, you were able to learn about many different diseases. Choose the disease that was MOST interesting to you. The disease that was most interesting to me was

_____ because

6. Now that you have studied a little about infectious diseases, see what a good job you can do by printing the following definitions:

a. A disease is a harmful condition that impairs (damages) normal functioning

b. An infectious disease is harmful conditions that impair normal body function by infections that can be spread

Proofread your definitions. Are they correct?