

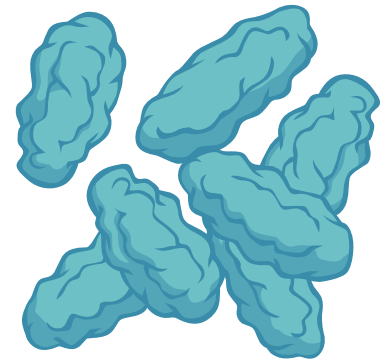
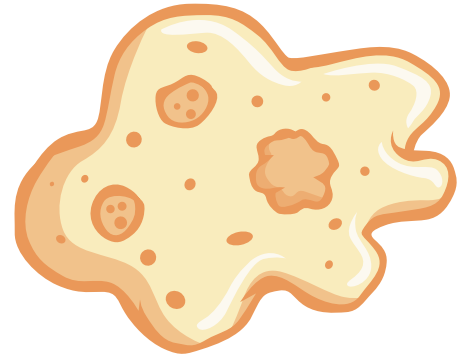
What Is A Pathogen Worksheet

Name: _____

Date: _____

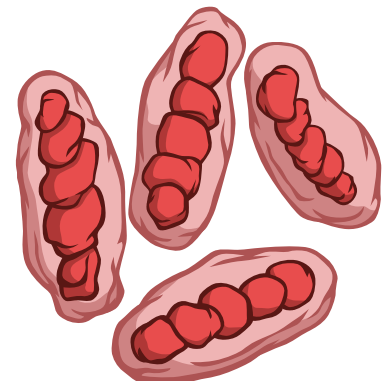
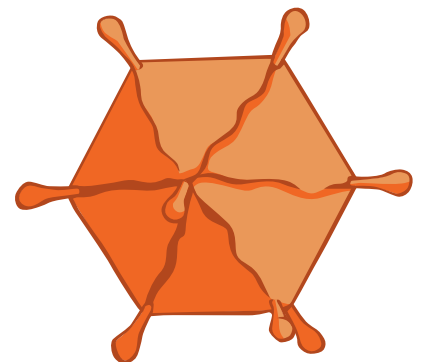
Multiple Choice: Circle the correct answer choice.

- Which of these diseases is caused by a virus?
 - Strep throat
 - Athlete's foot
 - Influenza
 - Lyme disease
- Which microorganism may be beneficial and can be found in food products such as yogurt?
 - Bacteria
 - Viruses
 - Fungi
 - Parasites
- Yeast is a type of:
 - Fungi
 - Bacteria
 - Virus
 - Parasite
- Mycosis is the name for a _____ infection?
 - Bacterial
 - Viral
 - Parasitic
 - Fungal



True or false: Circle the correct answer choice.

- A pathogen is defined as any microorganism.
 - True
 - False
- Pathogens are always living things.
 - True
 - False
- All microorganisms are harmful.
 - True
 - False
- Antibiotics can be used to fight off fungal infections.
 - True
 - False



9. Fungi love to live in cool, dry environments.
a. True
b. False
10. Vaccines are one way to prevent infection and to keep us healthy.
a. True
b. False

Fill in the blank: Write the correct answer on the line provided below.

11. Viruses are made of two parts: a DNA or RNA molecule and a _____ coat that surrounds it.
12. _____ cells are cells that are invaded by a virus.
13. Fungal _____ are the individual cells of fungi used for reproduction.
14. Ectoparasites often carry pathogenic _____ that may infect the host organism through bites.

Read the characteristic and write the type(s) of pathogen that has that characteristic. Each characteristic may have more than 1 answer.

15. These pathogens cause disease.

16. These pathogens can **ONLY** be single-cellular.

17. These pathogens live in or on a host's body at the host's expense.

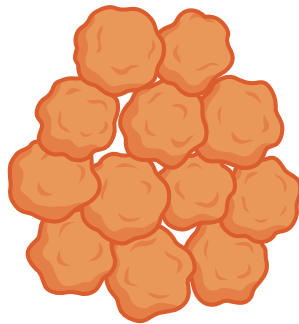
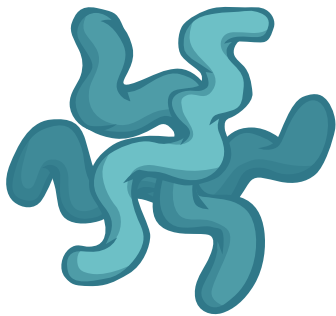
18. These pathogens can be **BOTH** microscopic and macroscopic.

19. These pathogens use host cells to reproduce.

20. These pathogens are not technically alive.

21. These pathogens can be **BOTH** single cellular and multicellular.

22. Label the following bacteria according to the 3 main bacterial shapes:



23. **Matching: Draw a line connecting the pathogen type with the disease it causes:**

Fungus

Strep Throat

Parasite

Athlete's Foot

Bacteria

Influenza

Virus

Lyme Disease

Free response: Think and use examples from your life to answer the following question.

24. What is one way that you practice good hygiene habits to prevent pathogens to stay healthy?

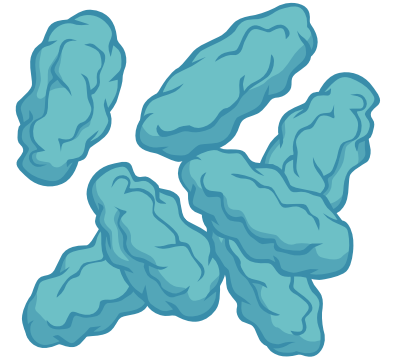
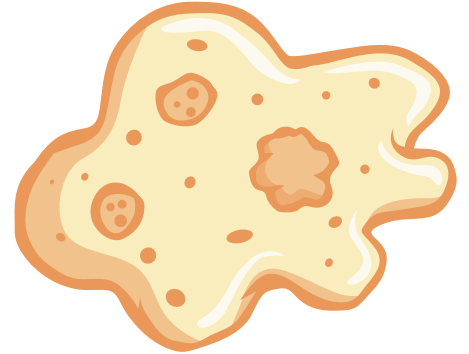
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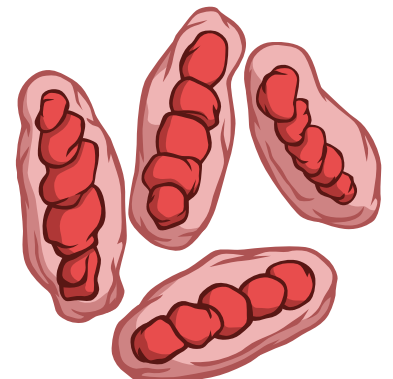
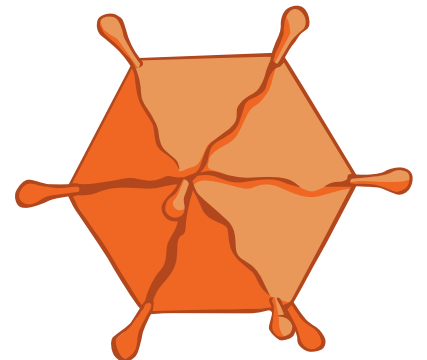
Multiple Choice: Circle the correct answer choice.

- Which of these diseases is caused by a virus?
a. Strep throat b. Athlete's foot
c. Influenza d. Lyme disease
- Which microorganism may be beneficial and can be found in food products such as yogurt?
a. Bacteria b. Viruses
c. Fungi d. Parasites
- Yeast is a type of:
a. Fungi b. Bacteria
c. Virus d. Parasite
- Mycosis is the name for a _____ infection?
a. Bacterial b. Viral
c. Parasitic **d. Fungal**



True or false: Circle the correct answer choice.

- A pathogen is defined as any microorganism.
a. True **A pathogen is defined as a microorganism that causes disease.**
b. False
- Pathogens are always living things.
a. True **Viruses are not technically alive.**
b. False
- All microorganisms are harmful.
a. True **Some microorganisms (like gut bacteria) are beneficial!**
b. False
- Antibiotics can be used to fight off fungal infections.
a. True **Antibiotics are used to fight bacterial infections.**
b. False



9. Fungi love to live in cool, dry environments.
a. True **They love to live in warm and wet environments.**
b. **False**
10. Vaccines are one way to prevent infection and to keep us healthy.
a. **True** **Vaccines help to boost the immune system to fight off potential infections.**
b. False

Fill in the blank: Write the correct answer on the line provided below.

11. Viruses are made of two parts: a DNA or RNA molecule and a **protein** coat that surrounds it.
12. **Host** cells are cells that are invaded by a virus.
13. Fungal **spores** are the individual cells of fungi used for reproduction.
14. Ectoparasites often carry pathogenic **bacteria** that may infect the host organism through bites.

Read the characteristic and write the type(s) of pathogen that has that characteristic. Each characteristic may have more than 1 answer.

15. These pathogens cause disease.
Virus, Bacteria, Fungi, Parasites

16. These pathogens can **ONLY** be single-cellular.
Bacteria

17. These pathogens live in or on a host's body at the host's expense.
Parasites

18. These pathogens can be **BOTH** microscopic and macroscopic.
Fungi, Parasites

19. These pathogens use host cells to reproduce.
Virus

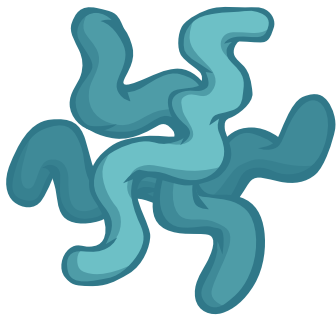
20. These pathogens are not technically alive.

Virus

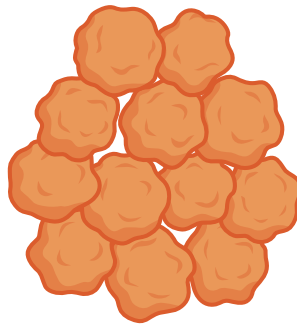
21. These pathogens can be **BOTH** single cellular and multicellular.

Fungi, Parasites

22. Label the following bacteria according to the 3 main bacterial shapes:



Vibrio

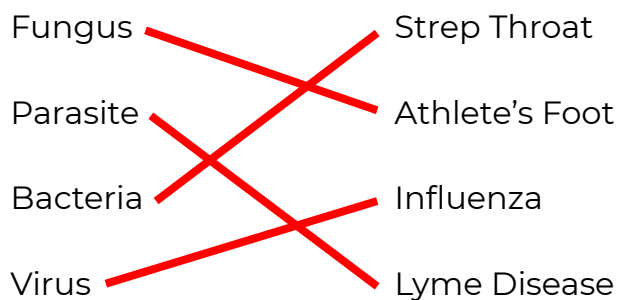


Cocci



Bacilli

23. **Matching: Draw a line connecting the pathogen type with the disease it causes:**



Free response: Think and use examples from your life to answer the following question.

24. What is one way that you practice good hygiene habits to prevent pathogens to stay healthy?

Students' answers will vary. Examples include: Hand washing, covering up

coughs, cleaning and disinfecting any cuts or scrapes, and not sharing food,

drinks, or clothing items.
