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Topic: Introductory Bacteria and Virus Worksheet

Summary: Students answer introductory questions about bacteria and viruses.

Goals & Objectives: Students will be able to determine the difference between bacteria, viruses and animal/plant cells. Students will be able to remember important facts about viruses and bacteria.

NGSS Standards: None

Time Length: 30 minutes

Materials:

Class textbook

Photocopied worksheets

• Pencils or pens

Procedures:

1. Tell the students which section they are to use in the textbook. Students are then going to read the section and answer the questions on the worksheet.

Accommodations: Students with an IEP can take the handout home if they need extra time or only answer questions 1-19.

Evaluation:

Each question is worth 1/2 point with the Venn diagram worth 6 points. The assignment is worth a total of 20 points.

Name: _		Row:	_
	Date:	Period:	_
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What is the modern	version of these cells	called?	
Bacteria are single-c	ell or multi-cellular o	rganisms?	
-16. Fill in the following	g table with Yes or No	answers.	
Questions	Eukaryote	Prokaryote	Virus
Is made out of a cell or cells?			
Has a nucleus?			
Is considered living?			
Can move on its own?			
Can reproduce or replicate?			
Has DNA?			
Has specialized structures or internal compartments?			
May have a cell wall?			
Has membrane- bound organelles?			
Has ribosomes?			
Has cytoplasm?			
Has chloroplast?			
Has mitochondrion?			

19.	What do bacteria use to move?
20.	What do bacteria have surrounding their cell membrane?

21. What type of virus invades bacteria?

22-27. Draw and title the three different shapes of bacteria

22	23	24
25	26	27

28. What two things are typical viruses made of? _____ & ____

29. What part of the virus binds the receptor proteins on a cell?

30. Viruses are general or highly specific to the cell that they can infect?

31. What is the main way that viruses replicate?

32. What two types of nucleic acids can viruses have? _____ or ____

33. Compare and contrast bacteria and viruses by filling in the Venn diagram below.

