

## Pick Three: Microorganisms

Pick any three activities in a row (horizontal, vertical, or diagonal). See rubrics for all requirements.

<p>You need to make an <b>illustrated report about a bacterium</b>. The report should give the shape, characteristics, if it is harmful or helpful, the uses, and any other information you find interesting. You may display your report as a picture book, poster, or in another creative way. The important factor is that this is an ILLUSTRATED report. You must include <u>at least five pictures</u>. If the pictures are not hand drawn, you <u>must site where you copied them from</u>.</p> <p>Text pages 54, 55, 62, 63</p>	<p>Made a <b>3-D model of an animal-like, plant-like, or fungus-like protist</b> Make a list of the characteristics of the protist you chose. <u>Include at least 4 characteristics for the model. Label the protist and the four characteristics for the model.</u> Mount your model on cardboard, stands, or some other mounting devise.</p> <p>Text pages 75-83</p>	<p><b>Make a loaf of yeast bread.</b> You will need to take pictures of you making the bread and provide a <b>digital or traditional scrapbook of you making bread</b>. You need at least 10 pictures. This can be done on computer paper and bound with staples. Digital Scrapbooks can be turned in on a flashdrive, but make sure that I have the compatibility to see the scrapbook.</p> <p>A bread recipe is on the wiki. You can use this one or one of your own.</p>
<p>Ask 20 people (not in 6<sup>th</sup> grade at APA) these two questions: What is the best known antibiotic in the world? (Penicillin) What was penicillin developed from? (Fungi) How many of your subjects knew the answer? <b>Make a data chart, frequency table, circle graph and bar graph</b> that summarizes the results of <u>each question</u> answered by the 20 interviews. Include the ages of your subjects. These can be lumped into categories such as under 15, 15-30, 30 and over, or how ever YOU feel is BEST.</p> <p>Text page 93</p>	<p>Read Hot Topic: "US Not Ready to Destroy Small Pox." <b>Answer the questions and write your paragraphs on the topic provided.</b></p> <p>Article can be copied off the wiki or asked for in class.</p>	<p><b>Research the vaccine of a infectious childhood disease</b> that the US routinely vaccinates children against. <u>Chose from Diphtheria, tetanus, measles, polio, mumps, rubella, chicken pox, or H. influenzae type B.</u> Think of this information being displayed in a doctor's office when you create your display. <b>Design a pamphlet, poster, or some other form of creative way to display your research.</b> Include answers to these questions: What causes the disease, what are the symptoms of the disease, when did the vaccine appear, why is it important to have the vaccine?</p> <p>Text pgs. 63-65 and www.cdc.gov</p>
<p>Design and <b>draw a cartoon</b> that explains how fungi or bacteria decomposers are necessary for our health and sanitation. This needs to have <u>at least 8 frames</u>.</p> <p>Text pages 92 and 56</p>	<p><b>Write a R.A.F.T. paper</b> about being a fungus or fungus-like protist spore. A R.A.F.T. paper includes Role of Writer, Audience, Format, and Topic. This should be a <u>creative writing about a spore</u>.</p> <p>See examples on the wiki for suggestions.</p>	<p>Create a <b>flip book for one type of protist</b>, such as flagellates, ciliates, amoebas, and so forth. On each page of the flip book you should show one state of the organism movement. When the pages are bound and flipped, the protist should appear to move. The more pages showing a smaller segment of the movement, the more interesting the book. <u>This must be in color and at least 20 pages.</u></p> <p>Text pages 76 and 77</p>

## Pick Three: Microorganisms Rubric

Pick any three activities in a row (horizontal, vertical, or diagonal). See rubrics for all requirements.

<p><b><u>ILLUSTRATED REPORT ABOUT A BACTERIUM</u></b></p> <p>___ /30 Project</p> <p>___ /10 5 pictures (one must be the shape)</p> <p>___ /2 Characteristics of the bacterium</p> <p>___ /2 Shape of the bacterium</p> <p>___ /2 Harmful or Helpful</p> <p>___ /2 Uses</p> <p>___ /2 Other interesting information</p> <p>___ /10 Presented as a picture book, poster, booklet or other display</p> <p>___ /10 Mechanics</p> <p>___ /2 Information correct and factual</p> <p>___ /2 Typed or written legibly</p> <p>___ /2 Spelling and grammar correct</p> <p>___ /2 Pictures have sources cited (website copied from, etc.)</p> <p>___ /2 Creative and neat</p>	<p><b><u>3-D MODEL OF PROTISTA</u></b></p> <p>___ /32 3-D protist</p> <p>___ /5 3-D Model</p> <p>___ /5 3-D Model Labeled</p> <p>___ /16 Characteristics Labeled</p> <p>___ /4 Mounted</p> <p>___ /8 Mechanics</p> <p>___ /2 Information correct / factual</p> <p>___ /2 Typed or written legibly</p> <p>___ /2 Spelling and grammar correct</p> <p>___ /2 Creative and neat</p>	<p><b><u>MAKING YEAST BREAD SCRAPBOOK</u></b></p> <p>___ /30 Project</p> <p>___ /8 5+page scrapbook</p> <p>___ /9 9+ pictures of making the bread</p> <p>___ /1 At least one picture of finished loaf</p> <p>___ /10 Captions for each picture</p> <p>___ /2 Cover page with title and your name</p> <p>___ /10 Mechanics</p> <p>___ /2 Information correct and factual</p> <p>___ /2 Typed or written legibly</p> <p>___ /2 Spelling and grammar correct</p> <p>___ /2 Colorful</p> <p>___ /2 Creative and neat</p>
<p><b><u>PENICILLIN GRAPHS</u></b></p> <p>___ /20 Question #1 (must be legible, neat, and colored)</p> <p>___ /5 Tally Chart (labeled and titled)</p> <p>___ /5 Frequency Table (labeled and titled)</p> <p>___ /5 Circle Graph (labeled and titled)</p> <p>___ /5 Bar Graph(labeled and titled)</p> <p>___ /20 Question #2 (must be legible, neat, and colored)</p> <p>___ /5 Tally Chart (labeled and titled)</p> <p>___ /5 Frequency Table (labeled and titled)</p> <p>___ /5 Circle Graph (labeled and titled)</p> <p>___ /5 Bar Graph(labeled and titled)</p>	<p><b><u>TOP TOPIC: SMALL POX</u></b></p> <p>___ /30 Project</p> <p>___ /10 Answered question in complete sentences</p> <p>___ /20 Paragraph contains at least 5 sentences</p> <p>___ /4 Topic Sentence</p> <p>___ /12 3+ supporting sentences on your choice stated in topic sentence</p> <p>___ /4 Concluding sentence</p> <p>___ /10 Mechanics</p> <p>___ /2 Typed or written legibly</p> <p>___ /8 Spelling and grammar correct</p>	<p><b><u>DOCTOR'S OFFICE DISPLAY ABOUT A VACCINE</u></b></p> <p>___ /20 Research</p> <p>___ /3 Name of disease</p> <p>___ /3 Type of disease</p> <p>___ /3 Symptoms of disease</p> <p>___ /3 Name of Vaccine</p> <p>___ /3 Year started vaccinating people</p> <p>___ /5 Why is it important to have the vaccine?</p> <p>___ /20 Display</p> <p>___ /5 Acceptable for a doctor's office</p> <p>___ /3 Picture of one inflicted with disease</p> <p>___ /3 Typed or written legibly</p> <p>___ /3 Spelling and grammar correct</p> <p>___ /3 Pictures have sources cited (website copied from, etc.)</p> <p>___ /3 Creative and neat</p>

<p style="text-align: center;"><b><u>DECOMPOSER CARTOON</u></b></p> <p>___ /40 Project</p> <p>___/16 8+ Frames</p> <p>___/5 Explains what a decomposer does</p> <p>___/5 Contains a fungus or bacteria as decomposer</p> <p>___/2 Informative</p> <p>___/4 Neat</p> <p>___/4 Colorful or black and white</p> <p>___/4 Creative</p>	<p style="text-align: center;"><b><u>SPORE R.A.F.T.</u></b></p> <p>___ /30 Project</p> <p>___/5 Identifies Role, Audience, Format, and Topic before starting the writing</p> <p>___/5 Stays within the role of spore</p> <p>___/5 Stays within the audience</p> <p>___/5 Stays within the format</p> <p>___/5 Stays within the topic</p> <p>___/5 Creative</p> <p>___ /10 Mechanics</p> <p>___/2 Typed or written legibly</p> <p>___/8 Spelling and grammar correct</p>	<p style="text-align: center;"><b>Create a flip book for one type of protist,</b></p> <p>___ /40 Project</p> <p>___/5 Cover page with name of organism and your name</p> <p>___/10 20+ pages of the protist</p> <p>___/10 Protist moves as the pages are flipped</p> <p>___/10 Protist positioned on each page for continual movement</p> <p>___/5 Colored illustrations</p>
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Final Grade:

**Counts as a test grade!**

Pick 1: \_\_\_\_\_ /40 points x100 = \_\_\_\_\_

Pick 2: \_\_\_\_\_ /40 points x100 = \_\_\_\_\_

Pick 3: \_\_\_\_\_ /40 points x100 = \_\_\_\_\_

(total) \_\_\_\_\_ / 3 = \_\_\_\_\_

Anything not turned in by November 23, 2010, will be late, and points will be deducted. Feel free to turn in projects as you complete them.