

## Layered Curriculum – Agents of Disease, Biotechnology & Ecosystems Review

### C Level Assignments

Complete **40** points worth in this section

Must complete one from each standard

Assignment	Possible	Earned
1. Define pathogen, epidemic, and pandemic. 8.L.1	5	
2. Illustrate how a pandemic looks compared to an epidemic and briefly explain how they are different. 8.L.1	10	
3. Complete questions 1-2 on page 219 in the Prentice Hall Science Explorer textbook. 8.L.3	5	
4. Illustrate the 4 types of pathogens. 8.L.1	5	
5. Make a list of the 3 ways biotechnology helps North Carolina. 8.L.2	5	
6. Draw an example of the 3 types of bacteria and explain their differences. 8.L.1	10	
7. Make a list of 4 different infectious diseases and how to prevent them. 8.L.1	10	
8. In 5 sentences, explain the difference between bacteria and viruses. 8.L.1	5	
9. Make a list and explain 3 prevention methods to take to contain a disease from becoming an epidemic or pandemic. 8.L.1	5	
10. Complete questions 1-3 on page 405 in the Prentice Hall Science Explorer textbook. 8.L.2	10	
11. Write a sentence chain between competition and predation 8.L.3	5	
12. Write a letter to a 5th grader explaining the difference between a pandemic and an epidemic. 8.L.1	10	
13. Explain in at least 5 sentences why it is important to get a flu vaccination each year. 8.L.1	10	
14. Write a sentence chain that connects a virus and host cell. 8.L.1	5	

### B Level Assignments

Complete **20** points worth in this section.

Assignment	Possible	Earned
1. Create a venn diagram that compares viruses, fungi, and parasites. 8.L.1	10	
2. Create a scenario (at least 10 sentences long) in which biotechnology is used to better the lives of citizen of North Carolina. 8.L.2	10	
3. Make a foldable that identifies the uses of at least 3 genetically modified organisms and a controversy of each. 8.L.2	10	
4. Create a poem, rap, or song using at least 10 vocabulary terms relevant to explaining the differences between 2 different pathogens. 8.L.1	10	
5. Create a venn diagram that compares and contrasts outbreaks, epidemics, and pandemics 8. L.1	10	
6. Create a graphic organizer such as a spider map or table that identifies and explains the ways disease transmission can be slowed. 8.L.1	5	
7. Describe the impacts to infrastructure during a pandemic. Give at least 5 specific examples. 8.L.1	5	
8. Complete the <i>Mad Minute: Interaction of Living Things</i> worksheet. Classify each scenario and explain why each classification fits for each scenario. 8.L.3	10	
9. Create a diagram that demonstrates the differences between pandemic and epidemic. Be specific by providing at last 3 examples of each. 8.L.1	10	

### A Level Assignments

Complete **10** points worth in this section

Assignment	Possible	Earned
1. Create 10 multiple choice test questions. You must explain the answer to each question and explain why every other answer choice is wrong. At least 2 questions per topic (i.e., pathogens, outbreaks, biotechnology, and ecosystems).	10	
2. Make an original diagram, flow chart, graphic organizer, or flip book showing how all the concepts we have studied are connected (pathogens, disease transmission, biotechnology, ecosystems). Must have color and must be creative.	10	
3. Create a one page note sheet (front and back) or poster with ALL the important information related to pathogens, disease transmission, biotechnology, and ecosystems to succeed on these sections of the EOG.	10	

Total Points: / 70

Your Grade: