

Name: _____ Period: _____ Date: _____

Lesson 4: How are we using our antibiotics?

Connecting to the previous lesson: What did your friends and relatives report about their use of and experience with antibiotics?

Reading Complex Texts: (*Preventing Antibiotic Resistance*)

1. Use the symbols in the table below to annotate the text in preparation for a class discussion about the recommendations for antibiotic use.

WRITE ONE OF EACH IN BILL (activity 4)

?	!	∞
<i>This part is confusing OR I have a question.</i>	<i>This part is interesting OR this part is important.</i>	<i>I have a personal connection to this part OR I can connect this to my prior knowledge or experience.</i>

Jigsaw Summary: How do antibiotics work?

2. Summarize what you learned from your classmates in your jigsaw group about how different types of antibiotics work to kill bacteria. Answer the following questions for each type of antibiotic:
 - a. What part of the cell does the antibiotic attack?
 - b. What type of disease is the antibiotic prescribed for?
 - c. Give the name of antibiotic for an example.

Beta-Lactam



Macrolides

Quinolones

Conclusions:

3. Based on our conversations today, what else did you figure out about the interaction between antibiotics and bacteria?
 - a. Why do we take antibiotics for 4-10 days?
 - b. Why is hand sanitizer only 99.99% effective?



New Questions and Next Steps:

- 4. Record some questions you now have about bacterial growth, antibiotics, your Petri dishes, or Addie's case.

- 5. What ideas did your class come up with for what we should investigate in our next lesson?

