Name:	Period:	Date:	
Lesson 8a: How do antibiotics affect together?	bacteria wher	n they are put	
What do we already know? In the previous lesson we learned several things came up with some ideas of what we need to inv		nd how they work. We also	
Making predictions: Answer the following quest	tions in the box bel	OW.	
 If we check the Petri dish and food colorin remain in the filter paper disk? What do y How will we be able to tell? 	•		
Observations: Answer the following questions about the food coloring demonstration in the box below.			
 Briefly describe the movement of the food on the agar. 	coloring once the	filter paper disk was placed	
 What happened to the strength of the cold 	or over the 5 minute	e period?	





In your small groups, brainstorm some ideas that could test our next question: How do antibiotics affect bacteria when they are put together?

Given the procedure, identify the following;	
Independent Variable:	
Dependent Variable:	
Control:	
Constants:	
see in a few days in the right box. When drawidifferences in antibiotic strength and address t	It it initially in the left box and then what you think you willing your predictions, make sure to consider the the che differences you might notice within the different and include your reasoning (why do you think you will get
Petri dish set up at the start	Prediction of Petri dish in a few days
Reasoning:	
Reasoning:	





Preparing for Your Data Collection:

Design a data table in order to keep track of the results of your investigation. Keep in mind what you are going to measuring, how you are going to measure that, how often you are going to observe your plates, etc.

Next Steps: Think about what we have learned so far about Addie's case and consider the following prompts. Please have these completed and ready to share at the beginning of the next class.

1.	Now that we have thought through the setup of an investigation and made some predictions about what we might see, how could the results of this experiment possibly help us in understanding Addie's case? Relate your predictions to Addie's case.
2.	Once we look at the results from this experiment a few days from now, why might some groups want to see what happens when you apply another dose of antibiotic at that point?

