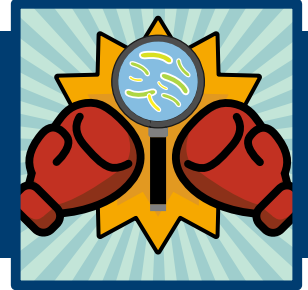


## Teacher Directions

### UNIT: EBOLA

#### LESSON 1: ACTIVATING ANTIBODY WARRIORS TO FIGHT THE EBOLA VIRUS!

#### ACTIVITY 1B: 3D GRAPHING: DETERMINE, DECODE, DESCRIBE!



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#### Lesson Objective:

Interpret the results of different antibody dosage treatments for Ebola.

Prior to this activity, students will read and annotate the “Activating Antibody Warriors to Fight the Ebola Virus!” article at home to learn about utilizing antibodies as treatment. While they are annotating at home, tell them to review the graphs and gain an understanding on how the graphs relay the research findings. Implementing this ‘flipped classroom’ method will enable more class time for students to discuss the article and meet the objective through analyzing different antibody dosage treatments. Once in class, students will have a basic understanding of the purpose of the article and the data shown in the four graphs (A-D) that they will be analyzing. Using their annotated transformed article, students will use the 3D Graph Model chart to make notes on their note-catcher. Students will then use their completed note-catcher and transformed article to answer the Processing Out questions.

#### Materials:

- Note-catcher handout
- Transformed Article

#### Directions

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Students will analyze graphs representing the effects of antibody dosage treatments for Ebola virus.

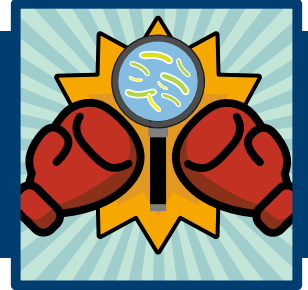
1. This activity can be done individually or in groups.
2. Each individual/group will be provided a note-catcher handout.
3. Students will use the **3D Graph Model** to analyze the assigned graph with their group members.

## Teacher Directions

### UNIT: EBOLA

#### LESSON 1: ACTIVATING ANTIBODY WARRIORS TO FIGHT THE EBOLA VIRUS!

##### ACTIVITY 1B: 3D GRAPHING: DETERMINE, DECODE, DESCRIBE!



3D Graph Model	
	What the student should do:
<b>Step 1: Determine</b> “What I See?”	<ul style="list-style-type: none"><li>➤ Look for similarities and differences within the graph.</li><li>➤ Place an identifier for each of these on your graph.</li><li>➤ Explain what you see. Give a description of what is occurring next to each identifier.</li></ul>
<b>Step 2: Decode</b> “What Does It Mean?”	<ul style="list-style-type: none"><li>➤ In your own words, describe what each of your observations means.</li><li>➤ Do not write an inference for the entire figure, but rather each individual observation.</li></ul>
<b>Step 3: Describe</b> “Write a Caption”	<ul style="list-style-type: none"><li>➤ Create a 3-4 sentence summary for the caption.</li><li>➤ Decide on a topic sentence describing the overview of the figure.</li><li>➤ Combine your ‘What I see’ and ‘What it means’ to form a sentence.</li><li>➤ Double check the sentences give a brief coherent description of the figure.</li></ul>

4. Using the 3D Graph Model, students will record responses on the note-catcher.