

What If?

Task:

Take an AP Chemistry exam problem from AP Classroom and modify it. Play the “What If?” game. “What will happen if I change this (number, compound, tool, condition, etc.)?” After you modify the question slightly, make a video including the modified question and a worked-out answer and explanation.

Modification Goals:

When modifying the AP problem, keep the following features in mind.

1. Highlight misconceptions and/or confusion common with the topic.
2. Provide additional practice.
3. Highlight how your change or modification changed the answer (if it did) and why.

Video Creation with Flipgrid:

These are possible options for capturing video. Feel free to use whatever works with the tools you have access to.

1. Cell-phone or Chromebook camera video using Flipgrid (info.flipgrid.com)
 - a. Prop up your phone/Chromebook above paper or a whiteboard using books or a tripod.
 - b. Write out the complete answer on paper. Film the paper with your cellphone in one hand as you verbally answer the question and point out important parts on the paper. You can also prop up the paper/whiteboard in front of your Chromebook camera and then record your verbal answer.
 - c. Create your video using the Flipgrid video editing tools through your phone or Chromebook.
 - d. Make sure your writing is dark enough to show up on video!

Video Layout:

This is the general layout I am looking for.

1. Question on screen: Make sure it is clear and readable for the audience.
2. Five-second Pause: Instruct the audience to pause the video to try out the question on their own.
3. Worked-out answer with verbal-description