

AP Biology Independent Summer Work

Welcome to AP Biology! This summer assignment will give you an overview of some topics we will cover and allow you to become familiar with some details as a head start to our lessons. Please watch the following videos, as you watch the videos, take notes. Afterwards, summarize the videos in 2 paragraphs EACH (aka 14 paragraphs total). At the end, try and think about how all the topics connect to each other and write your hypothesis as well as a summative paragraph at the end. Submit all notes along with your paragraphs for each video and your end summary.

Topic 1: Biological Molecules

<https://www.youtube.com/watch?v=PYH63o10iTE>

Topic 2: Cell Membrane

<https://www.youtube.com/watch?v=nsklF1w4eok>

Topic 3: Sodium Potassium Pump

<https://www.youtube.com/watch?v=7NY6XdPBhxo>

Topic 4: HeLa Cells

<https://www.youtube.com/watch?v=22IGbAVWhro>

Topic 5: Epigenetics

https://www.youtube.com/watch?v=_aAhcNjmvhc&list=PLJicmE8fK0EiuxzIxoec7R3-EFUrtaf9t&index=5

Topic 6: Taxonomy

https://www.youtube.com/watch?v=F38BmgPcZ_I&list=PLsnXnKUonnw5nYR2BRQpOQQh6xE6OJDnD&index=12

Topic 7: Keystone Species

<https://www.youtube.com/watch?v=hRGg5it5FMI>