**Biology Choice Board-Photosynthesis and Cellular Respiration**

**Complete a task for each of the columns You will do AT LEAST ONE task for Photosynthesis, Cellular Respiration, Organelles, and Miscellaneous. Keep track of your tasks and answers on a Google Document (see page 2 of this document for an example). Once you have completed your 4 tasks, submit your Google Document in the Google Classroom. If you need to take pictures, you can include them in your document or send them through Remind. For Quizizz, I can access your results but let me know you took it!**

|  |  |  |  |
| --- | --- | --- | --- |
| **Photosynthesis** | **Cellular Respiration** | **Organelles** | **Miscellaneous** |
| Draw a cycle showing how photosynthesis and cellular respiration are related to each other. Include what begins and ends each cycle and include the organelle the process occurs in. | Create a diagram of the cellular respiration. Label all of the parts! | Explain the functions of the following:  Mitochondria  Chloroplast  Golgi Apparatus  Nucleus  Ribosomes | Draw and label a plant cell. Use color and label all of the organelles! |
| Write a 2-3 sentence summary of what the sun’s role is in the life cycle of a plant. | Watch this video about cellular respiration: [https://youtu.be/xY4JFOSuqvY](https://www.youtube.com/watch?v=eBl3U-T5Nvk)  Write a 3-4 sentence summary about the different stages of cellular respiration | Complete an organelle quiz on Quizizz. Use this link:  [quizizz.com/join?gc=019248](http://quizizz.com/join?gc=019248) | Play this game on BiomanBio  <https://biomanbio.com/HTML5GamesandLabs/PhotoRespgames/photoresphtml5page.html>  Send me your results through GC or Remind |
| Create a Venn diagram to compare and contrast photosynthesis and respiration. | Complete this Quizizz on Cellular Respiration  [quizizz.com/join?gc=555630](http://quizizz.com/join?gc=555630) | Draw an animal cell and label eight different organelles | Write a short story about what happens to a plant when it does not have sunlight. Think about tropisms, photosynthesis, etc. |
| Complete a Photosynthesis quiz on Quizizz. Use this link:  [quizizz.com/join?gc=189610](http://quizizz.com/join?gc=189610) | Go outside for a walk and check your heart rate, see what makes it go faster, describe how your body responds. | Watch this video about organelles:  [https://youtu.be/pCFstSMvAMI](https://www.youtube.com/watch?v=bWPQvxElpLY)  Write a 3-4 sentence summary about what organelles are in different types of cells. | Plant a seedling or a seed. Take a picture after you plant it. If you already have a seedling growing that you are taking care of, that works too! |
| Think about an experiment you could perform to investigate photosynthesis. Come up with a Claim Evidence Reasoning. | Reverse Key: The answer is “fermentation”. What are 3 questions that can be asked where the answer would be “fermentation”? | Complete this worksheet:  <https://www.sjsd.k12.mo.us/cms/lib3/MO01001773/Centricity/Domain/2490/CellWorksheet%20pdf.pdf> | Workout! Go for a walk, do a workout video, do the workout a coach assigned to you, etc. Describe your workout and how long it took! What happened to your cellular respiration? |

**Sample Choice Board Log**

**4/1: Photosynthesis**

Create a Venn Diagram-

**4/1:Organelles**

Describe the functions of each:

Mitochondria

Ribosomes

Nucleus

Chloroplast

Golgi Apparatus

**4/4: Cellular Respiration**

Quizizz Quiz

**4/4: Miscellaneous**

Workout- Complete an at home workout or get outside and garden