**Biology Packet**

**April 20th – May 1st, 2020**

**Coleman, Griffin, Graves, Koonce**

**Monday – April 20th**

Section 8 Packet – Read pages 2-6, watch videos (scan QR Codes)

**Tuesday – April 21st**

Section 8 Packet – Review Key Terms – pages 11-16.

**Wednesday – April 22nd**

Section 8 Packet – Answer Questions - pages 11-16

**Thursday – April 23rd**

Turn in answers to pages 11-16 – via Remind, Email, or Teams

**Friday – April 24th**

Watch Videos!

[https://www.youtube.com/watch?v=eo5XndJaz-Y](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3Deo5XndJaz-Y&data=02%7C01%7Camy.koonce%40dcsms.org%7C6c3f900cead6444574b708d7e21e2887%7Cc0e0fae0e822484a9b1afbd5723e240a%7C0%7C0%7C637226491776580510&sdata=rG68B314rWES7Ovs%2Fh5Msfc41Ow4aiAjvNVIx0uW%2BKE%3D&reserved=0) photosynthesis ted ed

[https://www.youtube.com/watch?v=0UzMaoaXKaM](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D0UzMaoaXKaM&data=02%7C01%7Camy.koonce%40dcsms.org%7C6c3f900cead6444574b708d7e21e2887%7Cc0e0fae0e822484a9b1afbd5723e240a%7C0%7C0%7C637226491776580510&sdata=iVgcImKKaiJz7ZIJAt%2FNM%2FMzWxextNITAfeGaa43vE4%3D&reserved=0) photo prt 2 calvin cycle ted ed\

[https://www.youtube.com/watch?v=7dKpnxEMzyw](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D7dKpnxEMzyw&data=02%7C01%7Camy.koonce%40dcsms.org%7C6c3f900cead6444574b708d7e21e2887%7Cc0e0fae0e822484a9b1afbd5723e240a%7C0%7C0%7C637226491776590504&sdata=CvtTL9m8JNNneS98olztr3Pay6sQcwh0XOy75sxZ0mM%3D&reserved=0) brain pop respiration overview

[https://www.youtube.com/watch?v=3XIyweZg6Sw](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D3XIyweZg6Sw&data=02%7C01%7Camy.koonce%40dcsms.org%7C6c3f900cead6444574b708d7e21e2887%7Cc0e0fae0e822484a9b1afbd5723e240a%7C0%7C0%7C637226491776590504&sdata=T%2Fy6J914VyXR8VTr3uHjXOO40A7ha01OU%2B99R1DV1gc%3D&reserved=0) video involving the formulas

**Monday – April 27th**

MiniLab – GET OUT SIDE, but use social distancing!!!

Today we want you to get outside and take 2-4 pictures of things in nature. Then label which process (photosynthesis/Cellular Respiration) they MAINLY use. Then post on Twitter – see below, or send back by Remind or Email.

**Continued on next page!**

**Tuesday – April 28th**

Watch Videos!

[https://www.youtube.com/watch?v=YbdkbCU20\_M](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DYbdkbCU20_M&data=02%7C01%7Camy.koonce%40dcsms.org%7C6c3f900cead6444574b708d7e21e2887%7Cc0e0fae0e822484a9b1afbd5723e240a%7C0%7C0%7C637226491776600497&sdata=qXxiQGA%2F4WNfQ540bqy8uIghTlPI9Y6didSApM4mWek%3D&reserved=0) amoeba sisters fermentation

[https://www.youtube.com/watch?v=23ZzI6WZS28](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D23ZzI6WZS28&data=02%7C01%7Camy.koonce%40dcsms.org%7C6c3f900cead6444574b708d7e21e2887%7Cc0e0fae0e822484a9b1afbd5723e240a%7C0%7C0%7C637226491776600497&sdata=M46QXFxHU29zhnSrLO5oL%2F5fEoSfX4YYam6L5Kx1Nc0%3D&reserved=0) amoeba sisters ATP explanation

[https://www.youtube.com/watch?v=uixA8ZXx0KU](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DuixA8ZXx0KU&data=02%7C01%7Camy.koonce%40dcsms.org%7C6c3f900cead6444574b708d7e21e2887%7Cc0e0fae0e822484a9b1afbd5723e240a%7C0%7C0%7C637226491776610489&sdata=wmjeWKYkzYlu5qsXpIazeEMt4KsfVPf6uMZofhrlC2w%3D&reserved=0) amoeba sisters photosynthesis

[https://www.youtube.com/watch?v=4Eo7JtRA7lg](https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D4Eo7JtRA7lg&data=02%7C01%7Camy.koonce%40dcsms.org%7C6c3f900cead6444574b708d7e21e2887%7Cc0e0fae0e822484a9b1afbd5723e240a%7C0%7C0%7C637226491776610489&sdata=y5v7AifehX%2FC5xz8oXl36DO8WMZ5NqTeelIowiGVSDk%3D&reserved=0) amoeba sisters cell resp

**Wednesday, April 29th**

**Kahoot! -** [**https://kahoot.it/challenge/06883689?challenge-id=10a061a4-97de-4372-9995-719d272aea9d\_1587093183080**](https://kahoot.it/challenge/06883689?challenge-id=10a061a4-97de-4372-9995-719d272aea9d_1587093183080)

**Thursday – April 30th**

**Kahoot! -** [**https://kahoot.it/challenge/02024075?challenge-id=10a061a4-97de-4372-9995-719d272aea9d\_1587093458853**](https://kahoot.it/challenge/02024075?challenge-id=10a061a4-97de-4372-9995-719d272aea9d_1587093458853)

**Friday – May 1st**

**QUIZ DAY**

**LINK -** [**https://quizizz.com/join?gc=369586**](https://quizizz.com/join?gc=369586)

**OR**

**PAPER COPY ATTACHED – Please send a photo of the completed quiz – via Remind or Email**

**Twitter:**

Feel free to post you Lab and tag @TheBurgScience #TeamDCS

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**Biology – Quizizz – May 1st, 2020 – Photosynthesis/Cellular Respiration**

Take online OR submit photo by Remind or Email

1. Why are many plants green?
2. plant cells are green
3. plants absorb green light
4. chlorophyll reflects green light
5. rigid cell walls are green
6. Chloroplasts are…
7. A type of pigment used for photosynthesis
8. The location inside a plant cell where photosynthesis happens
9. The location where cellular respiration happens
10. Green beans
11. What do plants give off after photosynthesis?
12. Oxygen
13. Carbon
14. Nitrogen
15. Hydrogen
16. Plants need \_\_\_\_\_\_\_\_from the air for photosynthesis
17. Oxygen
18. Soil
19. carbon dioxide
20. sugar
21. The products of photosynthesis are
22. water and carbon dioxide
23. oxygen and water
24. sugar and cabon dioxide
25. oxygen and sugar (glucose)
26. The main source of energy for all life comes from \_\_\_\_.
27. the Earth
28. the moon
29. the sun
30. the food we eat/make
31. In what part of the cell does photosynthesis occur?
32. Nucleus
33. Chloroplast
34. Epidermis
35. Vacuole
36. Which of the following formulas represents photosynthesis?
37. 6 H2O + 6 O2 = C6H12O6 + 6 CO2
38. 6 H2O + 6 CO2 = C6H12O6 + 6 O2
39. C6H12O6 ++ 6 O2 = 6 H2O + 6 CO2
40. Mitochondria are...
41. The location in cells where photosynthesis happens
42. Kidney beans
43. The location in cells where cellular respiration happens
44. A type of pigment used for cellular respiration
45. What is the purpose of cellular respiration?
46. to break down food
47. to create energy in the body
48. to release energy from food
49. there is none; it's a waste of time
50. What is the correct equation for cellular respiration?
51. 6O2 + C6H12O6 -> 6CO2 + 6H2O + Energy
52. 6O2 + C6H12O6 + Energy -> 6CO2 + 6H2O
53. 6CO2 + 6H2O -> 6O2 + C6H12O6 + Energy
54. 6CO2 + 6H2O + Energy -> 6O2 + C6H12O6
55. Where does cellular respiration take place in the cell?
56. Cell Membrane
57. Nucleus
58. Mitochondria
59. Vacuole
60. Aerobic respiration occurs in the presence of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
61. Nitrogen
62. carbon dioxide
63. oxygen
64. carbon monoxide
65. Muscle cells that are used during heavy exercise often do not receive enough oxygen for energy production.  What waste product builds up in muscle cells resulting in soreness?
66. Water
67. Alcohol
68. carbon dioxide
69. lactic acid
70. What is the molecule called that mitochondria produce when they respire glucose?
71. ATP
72. ADP
73. DNA
74. Which type of respiration produces the most energy?
75. Anaerobic
76. AerobicBoth
77. produce the same amount
78. The products of cellular respiration?
79. CO2
80. CO2, H2O
81. CO2, H2O, glucose
82. CO2, H2O, ATP

18. ATP is...

1. A form of energy the cell can use that is produced by cellular respiration
2. A kind of sugar produced in photosynthesis
3. A battery

19. Plants can...

1. Only use photosynthesis
2. Only use cellular respiration
3. Use photosynthesis and cellular respiration

20 . Animals can...

1. Only use photosynthesis
2. Only use cellular respiration
3. Use photosynthesis and cellular respiration