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| Image result for start here | ***SWBAT explain the processes of photosynthesis, respiration, and transpiration to the survival of green plants and other organisms.*** |
| **View the** [**SlideShare presentation**](https://www.wsfcs.k12.nc.us/cms/lib/NC01001395/Centricity/Domain/8504/Cellular%20Respiration.pdf) **which highlights the three plant processes necessary for the survival of plants.**  |
| **Read the** [**CK12 article**](https://www.ck12.org/biology/cellular-respiration-and-photosynthesis/lesson/Connecting-Cellular-Respiration-and-Photosynthesis-MS-LS/) **which explains the relationship between photosynthesis and respiration.** |
| **Plant Processes** | **PHOTOSYNTHESIS (Pick any 4 from the choices below)**Image result for 1 icon | **RESPIRATION**Image result for 2 icon**(Pick any 4 from the choices below)** | **TRANSPIRATION** Image result for 3 icon**(Pick any 4 from the choices below)** |
| **Choice A** – Watch these YouTube videos on photosynthesis: [**Video #1**](https://youtu.be/_xeYNnzwpSE), [**Video #2**](https://youtu.be/sQK3Yr4Sc_k), [**Video #3**](https://youtu.be/pdgkuT12e14) | **Choice A** – Watch these YouTube videos on respiration:[**Video #1**](https://youtu.be/h6DWhQxqU7M), [**Video #2,**](https://youtu.be/yxHZH0P5aKI) [**Video #3**](https://youtu.be/9pSj2bgzTmM) | Choice A - Watch these YouTube videos on transpiration: [**Video #1**](https://youtu.be/U4rzLhz4HHk), [**Video #2**](https://youtu.be/8ZvF1bJJl5Q) |
| **Choice B** –.View the [**SlideShare presentation**](https://www.wsfcs.k12.nc.us/cms/lib/NC01001395/Centricity/Domain/8504/Photosynthesis.pdf) on photosynthesis | **Choice B** – Read more about plant respiration on the [**Biology4kids**](http://www.biology4kids.com/files/plants_main.html) site | **Choice B** – Watch the [**Discovery Ed animation**](https://app.discoveryeducation.com/learn/player/01707cc1-b301-44e8-a94c-5dcb022ca43e) on transpiration |
| **Choice C** – Learn more about photosynthesis with [**Discovery Ed’s Exploration activity**](https://app.discoveryeducation.com/learn/player/c1a723a1-101b-47e4-905e-bd4496bda9ca) | **Choice C** – View[**BBC’s Bitesize site**](http://www.bbc.co.uk/bitesize/ks3/science/organisms_behaviour_health/food_chains/revision/4/) to learn about respiration in plants | **Choice C** - Learn about what factors affect the rate of transpiration with this [**virtual lab**](http://www.mhhe.com/biosci/genbio/virtual_labs/BL_10/BL_10.html) |
| **Choice D** – **Read the two page Discovery Ed reading passage about** [**photosynthesis**](https://app.discoveryeducation.com/learn/player/769a9ef7-754a-4026-a49a-7b1eae65d635) | **Choice D** – Explore the [**SEPUP simulation**](http://sepuplhs.org/high/sgi/teachers/photosynthesis2_sim.html) on photosynthesis and plant respiration | **Choice D** – Learn more about the [**stomata**](https://youtu.be/TuwAtfBk6NI) and see a [**real life example under a microscope**](https://youtu.be/ofb0zkG5H2c) |
| **Choice E** –Learn about photosynthesis with the [**Study Jams interactive lesson**](http://studyjams.scholastic.com/studyjams/jams/science/plants/photosynthesis.htm) | **Choice E** - Click [**here**](https://sciencing.com/definition-plant-respiration-5655078.html) for a definition of respiration | **Choice E** –Try this [**ClassZone virtual lab**](http://www.classzone.com/books/hs/ca/sc/bio_07/virtual_labs/virtualLabs.html) on transpiration |
| **Choice F –** Use the [**Discovery Ed Exploration activity**](https://app.discoveryeducation.com/learn/player/98897a46-ecca-4e8b-b8cd-dc1cc55135ec) to learn more about leaves and their role in photosynthesis | **Choice F –** Learn about photosynthesis and plant respiration with this [**virtual lab**](https://my.hrw.com/sh2/sh07_10/student/flash/virtual_investigations/hst/act/hst_act_vi.html) | **Choice F –** Visit the [**Pearson site**](http://www.phschool.com/science/biology_place/labbench/lab9/guard.html) to learn the role of guard cells with transpiration |
| **Summarizer** – After each goal, *table talk* with people around you and discuss key points learned from the material that you chose. |
| **Coaching Points** | **C:\Users\mmcdowel\Downloads\photosynthesis.PNGC:\Users\mmcdowel\Downloads\respiration.PNGC:\Users\mmcdowel\Downloads\transpiration.PNG**  |

**Quiz Preparations**

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| **QUIZ** | **Step 1** – Read over the selected study guide multiple times.  | **Step 2** – Using *Rally Tennis,* spend another 10 minutes summarizing key points about the unit. | **Step 3** – Play Quizizz in class and try to score 80% or better. Your teacher will provide you with the class code. | **Step 4** - Take your quiz and post your answers to Edmodo. Your teacher will provide you with directions for credit recovery if you score below an 80%. |