**Day 4**

* **Pollination Essay/Checklist SPIRAL**: *Get a copy of the Pollination Checklist. You must have it checked for accuracy before you may move on.* [*https://www.youtube.com/watch?v=LiczM-w3V-U*](https://www.youtube.com/watch?v=LiczM-w3V-U)[*https://www.youtube.com/watch?v=aXT1DZEHsMk*](https://www.youtube.com/watch?v=aXT1DZEHsMk)

Use the [article](http://www.ck12.org/book/CK-12-Life-Science-For-Middle-School/r8/section/4.3/) and watch the [video](https://www.youtube.com/watch?v=M1iRxCaFjoo) to answer the questions below.

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| **Reactants:**  Things **Needed** for Respiration |
| 1. |
| 2. |

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| **Products:**  Things **Produced** by Respiration |
| 1. |
| 2. |
| 3. |

* What is respiration? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Where does respiration take place? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What is the formula for respiration? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Watch this [video](https://www.youtube.com/watch?v=QMgCziQgrus).
* What is the relationship between photosynthesis and respiration?

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* See your teacher for a handout on Photosynthesis Vs. Respiration.

**Watch the following** [**TEDed Video**](http://ed.ted.com/lessons/the-simple-but-fascinating-story-of-photosynthesis-and-food-amanda-ooten#watch)**.**[**https://www.youtube.com/watch?v=eo5XndJaz-Y**](https://www.youtube.com/watch?v=eo5XndJaz-Y)[**http://ed.ted.com/lessons/the-simple-but-fascinating-story-of-photosynthesis-and-food-amanda-ooten**](http://ed.ted.com/lessons/the-simple-but-fascinating-story-of-photosynthesis-and-food-amanda-ooten)

* Click on “Think” and take the quiz. Record your score: \_\_\_\_\_\_\_\_/5
* Read the “Dig Deeper” section.
* Global warming, or climate change, is the result of a buildup of man-made carbon emissions or greenhouse gasses. These gasses gather in the atmosphere and keep the heat from escaping. This makes the planet much warmer.

[**Knowing what you know about photosynthesis, explain how the process may help reduce global warming.**](http://ed.ted.com/lessons/the-simple-but-fascinating-story-of-photosynthesis-and-food-amanda-ooten/discussions/knowing-what-you-know-about-photosynthesis-explain-how-the-process-may-help-reduce-global-warming)

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The following [PowerPoint](https://drive.google.com/file/d/0B8gTd4zJIJx4NDgxa2theUhhZkU/view) may be used as a resource to complete any missing components of this assignment.

*See your teacher for extension activities to complete. You may use any of the notes completed in this research to help answer the questions.*

**Extend Yourself**

**Watch the** [**video**](https://www.youtube.com/watch?v=co0JdqUlycg)**.**

* See your teacher for a handout on the structure of a leaf. Re-watch the video if needed to answer the questions.

Use this [link](http://www.sciencemag.org/site/feature/misc/webfeat/vis2005/show/transpiration.swf) for extra help on transpiration.