*Mrs. West Science in the computer lab*

Complete the questions on the first page and on the bottom of page 3, and have FUN exploring the rest.

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| --- | --- | --- |
| *Questions* | *Site to Use* | *Answer* |
| What is photosynthesis?  Why does the plant need glucose (food)? | [*photosynthesis*](http://www.eschooltoday.com/photosynthesis/what-is-photosynthesis.html)  http://www.eschooltoday.com/photosynthesis/what-is-photosynthesis.html |  |
| What organelle turns glucose into ATP?  How are humans and plants connected? | Cellular Respiration Simple story  http://www.youtube.com/watch?v=eo5XndJaz-Y |  |
| How do cells get the oxygen they need to perform cellular respiration?  Take the quiz and print to turn in. | <http://www.brainpop.com/science/cellularlifeandgenetics/passivetransport/> |  |
| 1. Are breathing and respiration the same thing? 2. What does oxygen help us do? 3. What do we exhale? 4. Do plants perform cellular respiration? 5. What process do cells use if there is not enough oxygen? 6. Take the quiz, print and turn in. | <http://www.brainpop.com/science/cellularlifeandgenetics/cellularrespiration/>  TomlinsonMS  Awesome |  |
| Why are plants green? | [why plants are green](http://www.youtube.com/watch?v=aAQYpra4aUs)?  https://www.youtube.com/watch?v=aAQYpra4aUs |  |
| *Genes*  *What do genes make?* | [*What is a gene*](http://www.youtube.com/watch?v=5MQdXjRPHmQ)  https://www.youtube.com/watch?v=5MQdXjRPHmQ | Just for fun |
| *DNA transcription & Translation* | [*How we make proteins*](https://www.youtube.com/watch?v=41_Ne5mS2ls&list=RDyrQzEw9xY5k&index=27)  https://www.youtube.com/watch?v=41\_Ne5mS2ls&list=RDyrQzEw9xY5k&index=27 | *This is just really cool to watch* |
| *Viruses*  *Cool animation of how viruses work.*  *Just watch* | [*Flu virus - how it works*](http://www.youtube.com/watch?v=Rpj0emEGShQ)  <https://www.youtube.com/watch?v=Rpj0emEGShQ> | Also cool to watch |
| *How cell protect you. We watched this in class.* | [*Cells and viruses*](https://www.youtube.com/watch?v=oqGuJhOeMek)  <https://www.youtube.com/watch?v=oqGuJhOeMek> | Organelle review – just incase you forgot |
| *The different types of cells in a multicellular organisms.* | *https://lh4.googleusercontent.com/KWOBv1oepaRwCTzkZfYMYDRRiqyFKhvX7ZVBEdpFo04PN_ZHJtg1g2JnqW6wtpF1kO-5-B9GLmwU5t3A9sopzzHgYu9Kz8-SRmOYoO3QOzYxRI_PwueW5HqeEwY4T7IViQ* | *Bone, epithelial, adipose, muscle, cartilage, nerve, blood.* |
| *Explore this website to find an experiment for your extra credit.* | http://www.nclark.net/Cells | *Experiment ideas* |
| Science | Radio | KSED 101.9 |
| *photosynthesis song*  lyrics attached | [*photosynthesis*](https://www.youtube.com/watch?v=8u_hwwztRqI&index=31&list=RDyrQzEw9xY5k) | *Simple*  *H2O+CO2=C6H12O6 +6O2* |
| *Cellular Respiration* | [*Cellular Respiration*](http://www.youtube.com/watch?v=FHWbjnzfi_U)  <http://www.youtube.com/watch?v=FHWbjnzfi_U> | *Simple* |
| *Photosynthesis song 123* | [*https://www.youtube.com/watch?v=yrQzEw9xY5k*](https://www.youtube.com/watch?v=yrQzEw9xY5k) | *Gets a little more complicated* |
| *Cell theory* | [*All living this are composed of CELLS*](https://www.youtube.com/watch?v=KuJqqiATlqw&index=27&list=RDyrQzEw9xY5k) | *Know your scientists* |
| *Cell City* | <http://www.youtube.com/watch?v=u4ki28XLzOA> |  |

List 2 things you learned today.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What would you like to know more about? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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What was your favorite part of this lesson?

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What is **your** favorite science website?

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Lyrics for the Photosynthesis Song

Plant all around us

Plants are special yes

Please remember this

They do a special job that we all love it’s photosynthesis

Sunlight + CO2 + H2O creates C6 H12 O6 (sugar) +O2

Photosynthesis is for the green plants you should know

Absorbing sun energy helps them stay strong and grow

Cause photosynthesis, plants take in CO2

The carbon dioxide is in the air and that’s what plants remove.

Hey photosynthesis

Plants use H2O

Absorbing the water through the roots and to the chloroplast it goes.

Say photosynthesis occurs in the Chloroplast

Converting CO2, water, the sun’s energy to make sugar and oxygen at last.

Cause plants are so special yes

Please remember this

They do a special job that we all love it’s photosynthesis

Say PHOTO SYNTHESIS

A plant has a stem, it holds it above the ground.

Nutrients flow through it, it goes up and down.

Also plants have leaves, the food factory

Without the leave you wouldn’t have any food or even energy.

And the plants have the roots, down in the ground.

Holding them there keeping them strong so they don’t fly around.

Cause the roots also store the plants energy

Think about it that’s where we get potato and carrots see

Plants are special yes

Please remember this

They do a special job that we all love it’s photosynthesis

Sunlight + CO2 + H2O creates C6 H12 O6 (sugar) +O2

PHOTO SYNTHESIS