

Číslo materiálu: VY 32 INOVACE 29/17

Název materiálu: Photosynthesis

Číslo projektu: CZ.1.07/1.4.00/21.1486

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evropský  
sociální  
fond v ČR



EVROPSKÁ UNIE



MINISTERSTVO ŠKOLSTVÍ,  
MLÁDEŽE A TĚLOVÝCHOVY



OP Vzdělávání  
pro konkurenceschopnost

## PHOTOSYNTHESIS

### Pre-reading:

1. Find the meaning of these words and write them into your dictionary:

<b>Plant</b>	sluneční světlo
<b>Oxygen</b>	celulóza, buničina
<b>Carbon dioxide CO<sub>2</sub></b>	proces
<b>Chlorophyl</b>	rostlina
<b>Sunlight</b>	oxid uhličitý
<b>Cellulose</b>	kyslík
<b>Process</b>	chlorofyl (zelené barvivo)

Was the task difficult? Why?

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2. Use the words to complete the song:

### PHOTOSYNTHESIS song

If you want to know

How a \_\_\_\_\_ grows

It takes water, air and \_\_\_\_\_

And makes \_\_\_\_\_.

CH: Every \_\_\_\_\_ can do this

Fundamental \_\_\_\_\_

And we can call this

Photosynthesis

Unlike me and you plants need \_\_\_\_\_

And they make \_\_\_\_\_ that stops us turning blue

It's a miracle how all the \_\_\_\_\_

Captures \_\_\_\_\_ in the leaves

Of the plants and the trees

A \_\_\_\_\_ of any size can do it if it tries

We are not green so we can't photosynthesize

### 3. Answer the questions:

What does a plant need to grow (to make cellulose)?

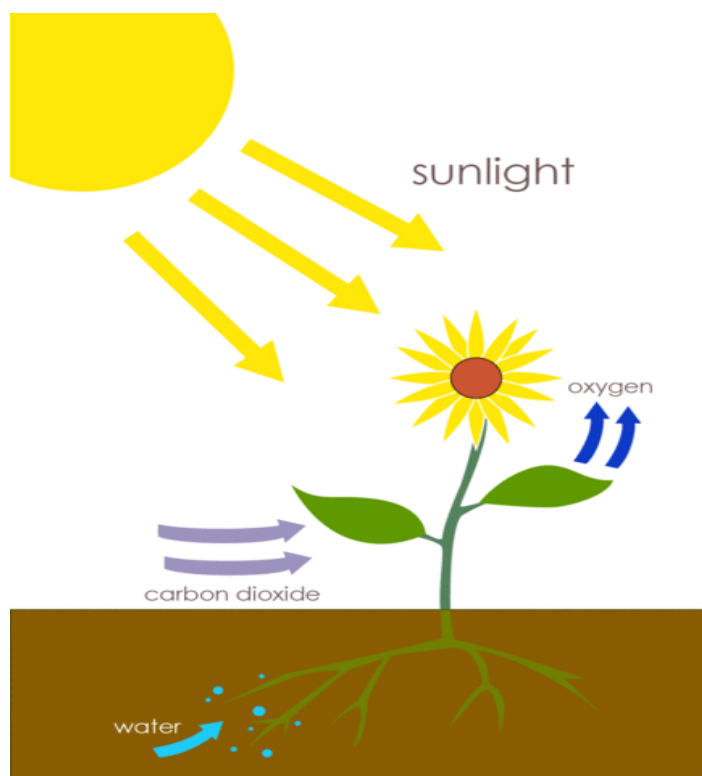
\_\_\_\_\_

What do plants take from the air? \_\_\_\_\_

What do plants give us to breathe? \_\_\_\_\_

What helps the leaves to capture carbone dioxide? \_\_\_\_\_

### 4. Describe the picture, use these words: FLOWER, STEM, ROOTS, LEAF (LEAVES)



<http://commons.wikimedia.org/wiki/File:Photosynthesis.gif>

## ŘEŠENÍ

### PHOTOSYNTHESIS

Pre-reading:

1. Find the meaning of these words and write them into your dictionary:

<b>Plant</b>	rostlina
<b>Oxygen</b>	kyslík
<b>Carbon dioxide CO<sub>2</sub></b>	oxid uhličitý
<b>Chlorophyl</b>	chlorofyl (zelené barvivo)
<b>Sunlight</b>	sluneční světlo
<b>Cellulose</b>	celulóza, buničina
<b>Process</b>	proces

2. Use the words to complete the song:

PHOTOSYNTHESIS

If you want to know

How a plant grows

It takes water, air and sunlight

And makes cellulose.

CH: Every plant can do this

Fundamental process

And we can call this

Photosynthesis

Unlike me and you

Plants need CO<sub>2</sub>

And They make oxygen

That stops us turning blue

It's a miracle how all the chlorophyl

Captures sunlight in the leaves

Of the plants and the trees

A plant of any size

Can do it if it tries

We are not green so we can't

Photosynthesize

3. Answer the questions:

What does a plant need to grow (to make cellulose)?

\_\_\_\_\_ **It needs water, air and sunlight.** \_\_\_\_\_

What do plants take from the air? \_\_\_\_\_ **CO2** \_\_\_\_\_

What do plants give us to breathe? \_\_\_\_\_ **oxygen** \_\_\_\_\_

What helps the leaves to capture carbone dioxide? \_\_\_\_\_ **chlorophyl** \_\_\_\_\_

### **Bibliografická citace:**

Photosynthesis song [online]. 5. 11. 2009 [cit. 2012-8-1]. Dostupný z WWW:

<<http://www.youtube.com/watch?v=wj8TGhcCnxs&feature=related>>.

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<<http://www.youtube.com/watch?v=tSHmwIZ9FNw&feature=related>>.

### **Obrázky:**

[cit.2012-08-02]dostupný pod licencí Creative Commons na WWW:

<http://commons.wikimedia.org/wiki/File:Photosynthesis.gif>