



Lesson 10



PLANTS AND GLOBAL WARMING

Lesson objective: To teach children about different ways plants suffer because of global warming and human influence. To show them how plants can be used to delay global warming and teach them about green cities.

Terms: plants, global warming, green cities

Materials required for the eco workshop:

collage paper, glue, tempera, ribbons, strings, yoghurt cups, plants, pantyhose, soil, cotton, sawdust, wheat seeds or grass seeds, cardboard.



Funded by
the European Union

4. Interactive task

8 min. 

Learning objective: To show pupils all of the main consequences of global warming for the plants through a game.

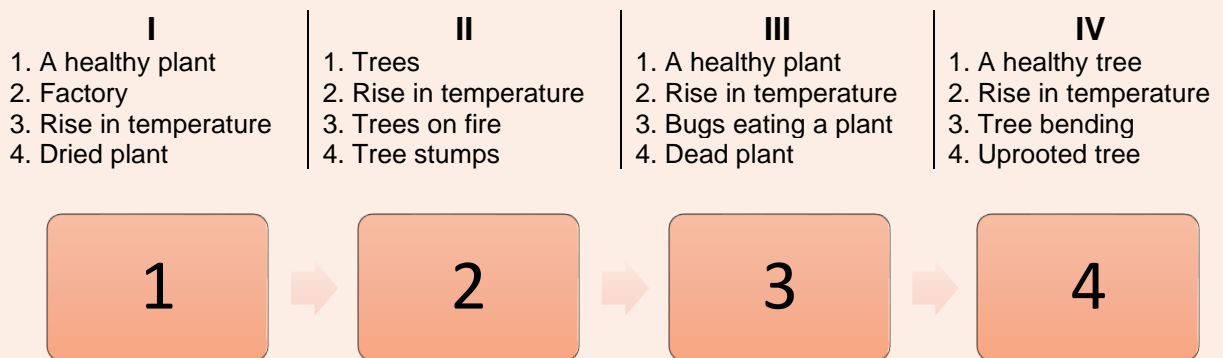
ACTIVITIES

Teacher: coordinates the activity

Pupils: align the pictures in the right order (timeline)

On the screen: timeline.

Arrange the timeline in the correct order!



5. Information (Audio/text)

1 min. 

Learning objective: To give information about global warming and its positive effect on plants

ACTIVITIES

Teacher: coordinates the activity

Pupils: listen to information

On the screen: Animation showing photosynthesis

Global warming is caused by a variety of factors but one of the main ones is considered to be human influence. Cars and factories produce a lot of different gases that cause the warmth to stay on Earth. One of the main gasses is carbon dioxide.

The interesting thing about the carbon dioxide is that plants actually use it to make oxygen.

Source references:

1) Plants and Climate Change, National Park Service, US Department of Interior, Urban Ecology Research Alliance

Available at: <https://www.nps.gov/articles/000/plants-climateimpact.htm#:~:text=Rising%20temperatures%20lead%20to%20more,them%20to%20be%20less%20productive.>

2) Climate basics for kids, C2ES, Centar for Climate and Energy Solution

Available at: <https://www.c2es.org/content/climate-basics-for-kids/>

3) The positive effect of European green cities, Green Cities Europe

Available at: <https://thegreencities.eu/>

4) Features of the Future Sustainable City, Rethink The Future

Available at: <https://www.re-thinkingthefuture.com/sustainable-architecture/a4252-features-of-the-future-sustainable-city/>



**Funded by
the European Union**

The European Commission support for the production of this curriculum does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.