

Climate Change Word Search for Students

Climate change is an important topic that you will hear discussed in the news on a regular basis these days. One of the main factors of climate change is the increase in green house gases in the atmosphere. Forests can help to reduce the concentration of these gases, especially carbon dioxide.

Trees have the unique ability to take in CO₂ and through a chemical process called photosynthesis, convert the carbon into wood which is what allows trees to grow bigger! This is what we call sequestration of carbon or a carbon sink. This carbon stays locked in the wood, even when trees are harvested and turned into houses or furniture or other wood products. The more wood we can substitute for other less carbon friendly products, the better it is for our planet.

Today, governments and other organizations are looking at ways to give carbon credits to people or companies who increase forest cover, or replant young vigorously growing forests. Reducing deforestation, increasing reforestation (replanting of existing forests), and finding ways to reforest areas where forests haven't existed for many years (aforestation) will help create carbon sinks - areas where trees can actively take in carbon from the atmosphere while they grow.

Finding alternatives to fossil fuels will also reduce the carbon in our atmosphere, one option is to use bioenergy - energy made from conversion of wood fibre such as cellulose into energy.

Forests and wood products made from forests are part of the climate change solution!

g	a	f	o	r	e	s	t	a	t	i	o	n	h	a
r	y	c	n	i	f	u	r	n	i	t	u	r	e	n
e	d	e	f	o	s	s	i	l	f	u	e	l	s	g
e	c	l	i	m	a	t	e	c	h	a	n	g	e	s
n	r	l	h	h	c	a	r	b	o	n	s	i	n	k
h	e	u	o	w	b	i	o	e	n	e	r	g	y	n
o	d	l	u	o	n	n	f	o	r	e	s	t	s	a
u	i	o	s	o	c	a	r	b	o	n	o	y	o	t
s	t	s	e	d	e	b	e	t	u	o	t	e	x	m
e	s	e	s	n	a	i	f	n	n	o	g	s	y	o
g	g	l	o	b	a	l	w	a	r	m	i	n	g	s
a	s	u	b	s	t	i	t	u	t	i	o	n	e	p
s	e	q	u	e	s	t	r	a	t	i	o	n	n	h
p	h	o	t	o	s	y	n	t	h	e	s	i	s	e
d	e	f	o	r	e	s	t	a	t	i	o	n	e	r
r	e	f	o	r	e	s	t	a	t	i	o	n	q	e

- aforestation
- atmosphere
- bioenergy
- carbon
- carbonsink
- cellulose
- climatechange
- credits
- deforestation
- forests
- fossilfuels
- furniture
- globalwarming
- greenhousegas
- houses
- oxygen
- photosynthesis
- reforestation
- sequestration
- substitution
- sustainability
- wood