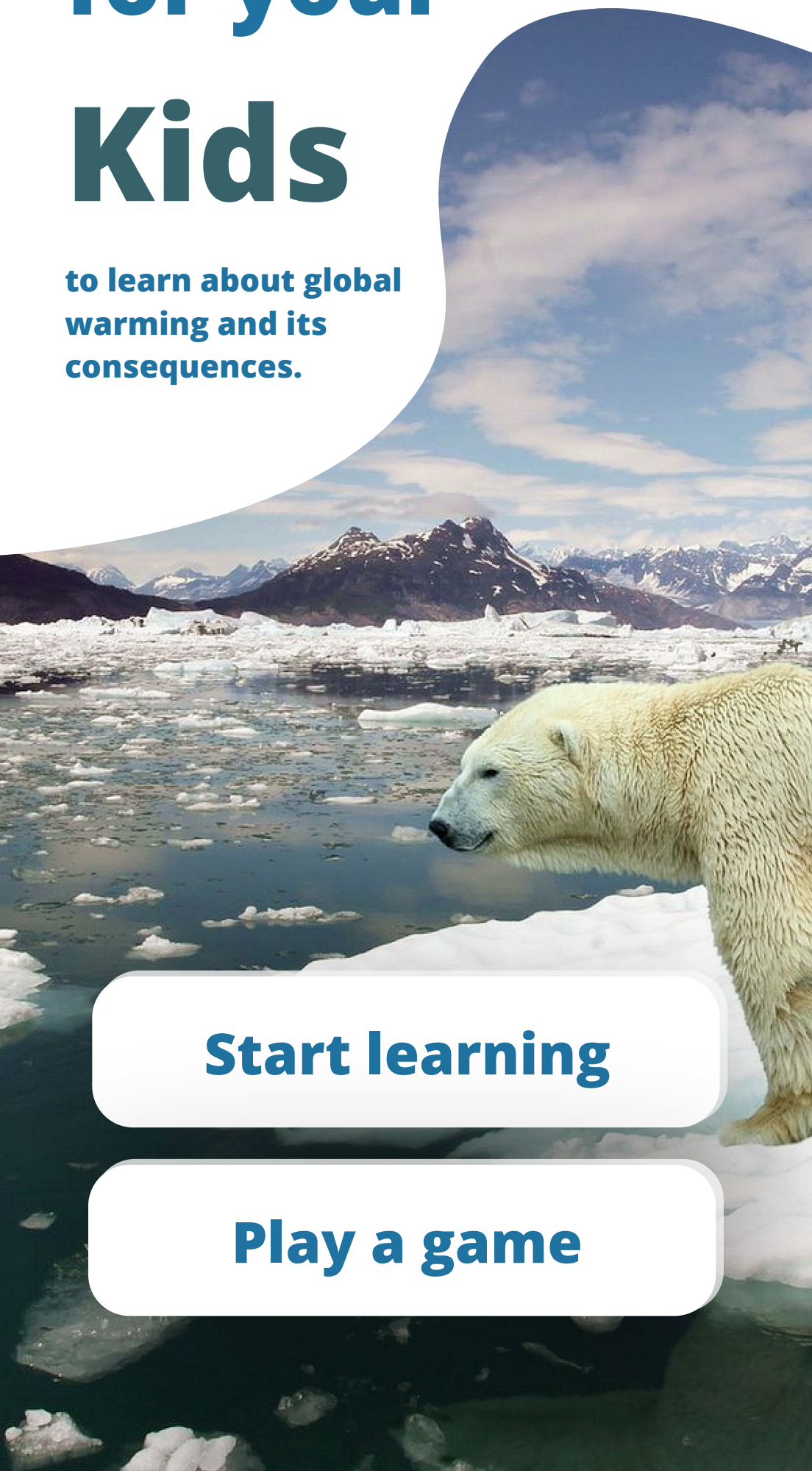
The best place for your Kids

to learn about global warming and its consequences.



Start learning

Play a game

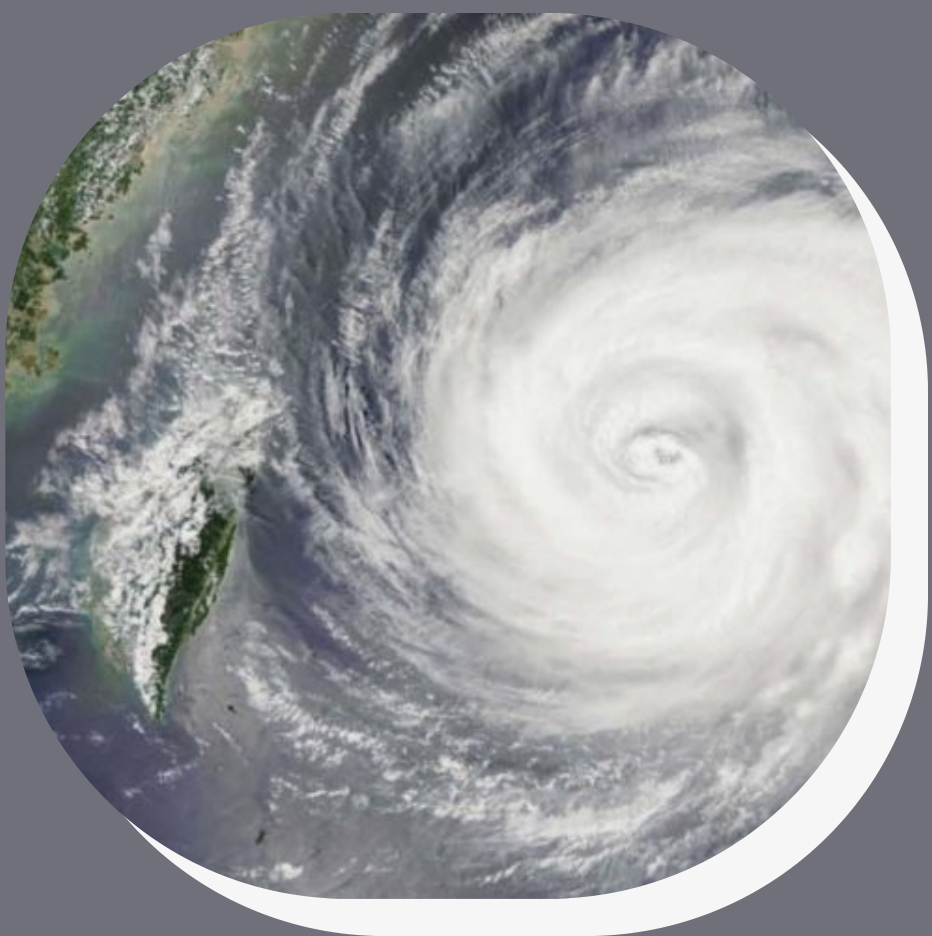
Learn more about global warming effects on **animals**

Sea levels are rising and oceans are becoming warmer. Longer, more intense droughts threaten crops, wildlife...

Learn more here

Not interested about animals?
No problem, look at out **next** topic.

Learn more about global warming effects on **weather**



Heat is energy and when you add energy to any system changes occur. Because all systems in the global climate...

Learn more here

Not interested about weather?
No problem, look at out **next** topic.

Learn more about global warming **causes**

Global warming is an aspect of climate change, referring to the long-term rise of the planet's temperatures.

Learn more here

Not interested about causes?
No problem, look at out **next** topic.

Learn more about global warming effects on **Earth**

Heat is energy and when you add energy to any system changes occur. Because all systems in the global climate...

Learn more here

Not interested about causes?
No problem, look at out **next** topic.

Learn more about **solutions** on global warming

Healing the planet starts in your garage, in your kitchen, and at your dining-room table...

Learn more here

Not interested about animals?
No problem, look at out **next** topic.

Effects on **animals**

Sea levels are rising and oceans are becoming warmer. Longer, more intense droughts threaten crops, wildlife and freshwater supplies.

From polar bears in the Arctic to marine turtles off the coast of Africa, our planet's diversity of life is at risk from the changing climate. Wild animals face new challenges for survival because of climate change. More frequent and intense drought, storms, heat waves, rising sea levels, melting glaciers and warming oceans can directly harm animals and destroy the places they live in. Climate changes affect animals such as polar bears, seals, turtles, whales, dolphins and many others.

How does Global Warming drive **Climate Change**

Heat is energy and when you add energy to any system changes occur.

Because all systems in the global climate system are connected, adding heat energy causes the global climate as a whole to change.

Much of the world is covered with ocean which heats up. When the ocean heats up, more water evaporates into clouds.

Rising Sea Levels

Climate change impacts rising sea levels. Average sea level around the world rose about 20 cm in the past 100 years; climate scientists expect it to rise more and more rapidly in the next 100 years as part of climate change impacts.

Coastal cities such as New York are already seeing an increased number of flooding events and by 2050

Causes

Greenhouse gases

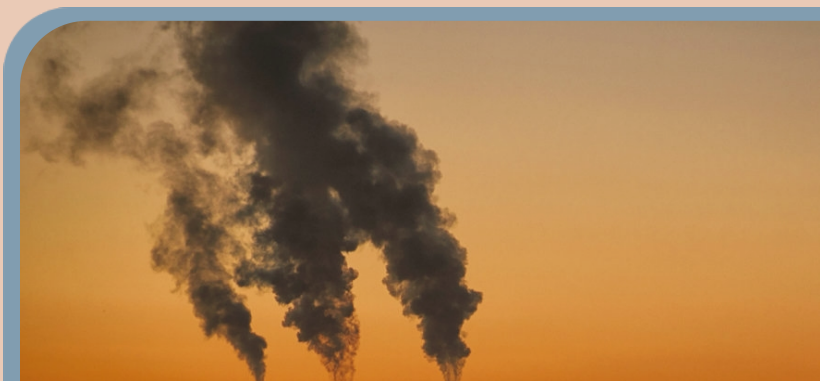
Greenhouse gases make it harder for energy from sunlight to be reflected back into space and are consumed by them.

When these gases consume this energy they warm up Earth's air; therefore greenhouse gases.

Most popular amongst these are carbon dioxide, methane, nitrous oxide.

Carbon Dioxide

Combustion of fossil fuels is the largest source of CO2 emissions that are produced by humans. The 3 types of fossil fuels that are most common are coal, natural gas and oil.



Effects on **earth**

Higher temperatures

The average global temperature has increased by about 0.8 degrees Celsius over the past 100 years, due to greenhouse effect, which prevents the heat to escape into space.

Ice melting

Ice acts like a protective cover over the Earth and our oceans. These bright white spots reflect excess heat back into space and keep the planet cooler, but because of higher temperatures the ice melts and as a result the sea levels are rising.

How you can stop global warming

Speak up!

What's the single biggest way you can make an impact on global climate change? "Talk to your friends and family, and make sure your representatives are making good decisions,"

Encourage Congress to enact new laws that limit carbon emissions and require polluters to pay for the emissions they produce.

You can help protect public lands, stop offshore drilling, and more.

Renewable energy

Choose a utility company that generates at least half its power from wind or solar and has been certified by Green-e Energy.

If that isn't possible for you, take a look at your electric bill; many utilities now list other ways to support renewable sources

Welcome to our playing grounds!

Here, you will answer questions based on the topics you've read about in our articles!

Choose a topic

Go back

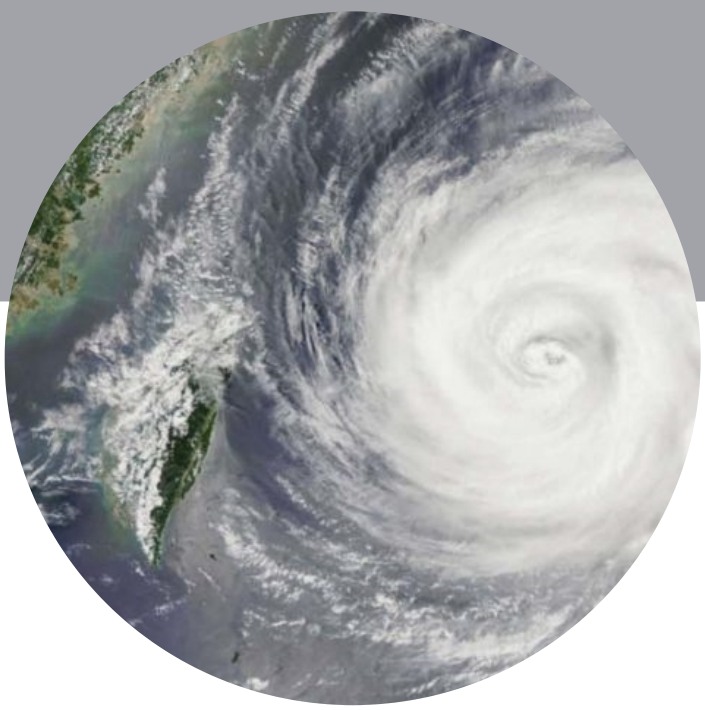
Select a topic of your choice and see how much you've learned.

Animals

Start a game

Select a topic of your choice and see how much you've learned.

Weather



Start a game

Select a topic of your choice and see how much you've learned.

Causes

Start a game

Select a topic of your choice and see how much you've learned.

Earth

Start a game

Select a topic of your choice and see how much you've learned.

Solutions

Start a game

Question #1

Choose one of the following answers

What is at risk because of the climate changes?

People's jobs

Our planet's diversity of life

Nothing

Question #1

Choose one of the following answers

Can global warming cause rising sea levels?

Yes

No

I don't know

Question #1

Choose one of the following answers

What are the gases that are a major global warming cause called?

Greenhouse

Dangerous

Greenlake

Question #1

Choose one of the following answers

Why has the average temperature increased over the past 100 years?

Beacuse of the greenhouse effect

Because the sun got bigger

Because people are lighting to many fires

Question #1

Choose one of the following answers

Can renewable energy help global warming?

Yes

No

I don't know

Game over!

You answered this question incorrectly.

Animals

Learn more about animals here

Play another game

Question #2

Choose one of the following answers

What is happening to home of polar bears and seals?

It's melting

It's being rebuilt

Nothing

Question #2

Choose one of the following answers

What will hapen in next 100 years if global warming continues?

The world's glaciers and Polar ice cap will melt

It will stop raining

Not much will hapen

Question #2

Choose one of the following answers

What is the chemical label for Carbon dioxide?

O2

CO2

CaDi

Question #2

Choose one of the following answers

Why is ice important?

We can put it in our drinks

Because it reflects excess heat back into space

It's not important

Question #2

Choose one of the following answers

What can we do to help?

We can't do anything

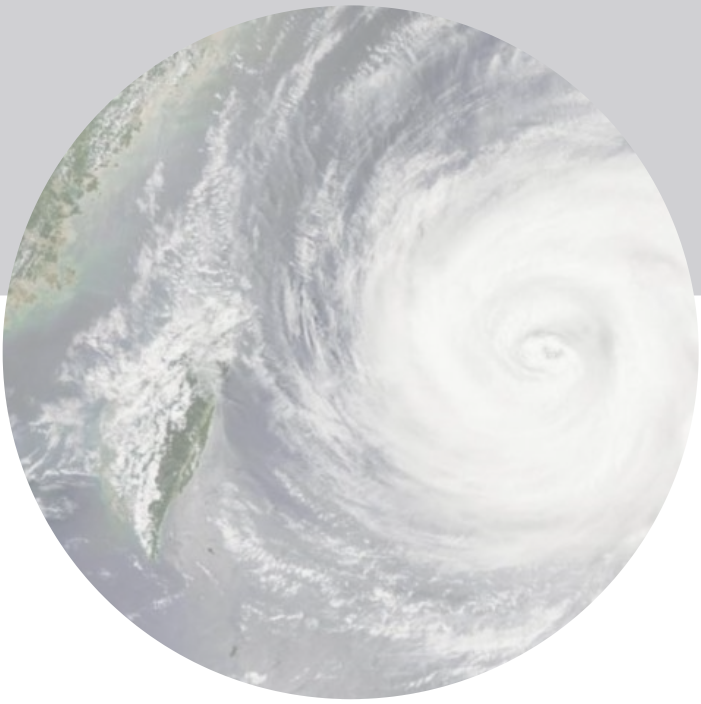
Buy more energy-efficient appliances

Use more coal

Game over!

You answered this question incorrectly.

Weather



Learn more about weather here

Play another game

Question #3

Choose one of the following answers

Which animals are affected by global warming?

None animals are affected

Snakes

Polar bears, seals, turtles, whales, dolphins

Question #3

Choose one of the following answers

What will hapen if the amount of wather in the atmosphere keeps increasing?

It wont rain

It will be warmer

Downpours instead of steady showers

Question #3

Choose one of the following answers

Which animals produce the largest amount of Methane?

Cows

Rabbits

Elephants

Question #3

Choose one of the following answers

What is melting because of global warming?

Ice cream

Ice bergs

Nothing

Question #3

Choose one of the following answers

Why does saving wather reduce carbon polution?

It does not, this is a trick question

Because wather is bad for earth

Because it takes a lot of energy to pump, heat and treat your water.

Game over!

You answered this question incorrectly.

Causes

Learn more about causes here

Play another game

Question #4

Choose one of the following answers

Why can sea turtles lose their nesting grounds?

Other animals destroy them

Because of the rising sea levels

The wind blows them away

Question #4

Choose one of the following answers

Does downpor in some places mean there wont be any droughts?

I don't know

Yes

No

Question #4

Choose one of the following answers

What gas do trees consume, which they use for photosynthesis?

Oxygen

Methane

Carbon dioxide

Question #4

Choose one of the following answers

Why are animals and plants moving northward and to higher altitudes?

Because they feel safer there

They are exploring new parts of world

The temperatures are more comfortable

Question #4

Choose one of the following answers

What kind of bulbs are better for the environment?

LED lightbilbs

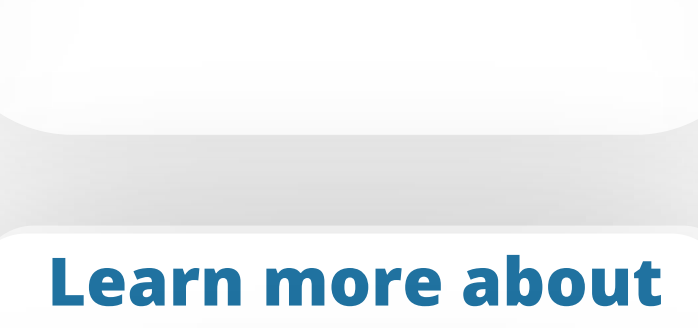
Classic lightbilbs

big stadion reflectors

Game over!

You answered this question incorrectly.

Earth



Learn more about Earth here

Play another game

Question #5

Choose one of the following answers

What happens because of droughts, storms, heat waves, rising sea levels, melting glaciers and warming oceans?

Nothing happens

Animals homes are destroyed

The temperatures get lower

Question #5

Choose one of the following answers

What will hapen with typhons if we continue on this path?

They wont exitst anymore

They will increase in power

Nothing will hapen

Question #5

Choose one of the following answers

What is the process of destroying forests called?

Shaving

Deforestation

Photosyhtesis

Question #5

Choose one of the following answers

How will global warming affect humans?

It may cause lack of food

It can't affect humans

They will move to another planet

Question #5

Choose one of the following answers

What kind of car is better for the environment?

Hybrid

Electric

Gas

Game over!

You answered this question incorrectly.

Solutions

Learn more about solutions here

Play another game

Question #5

Choose one of the following answers

What happens because of droughts, storms, heat waves, rising sea levels, melting glaciers and warming oceans?

Congratulations!

You have successfully completed our **animals** game!

Question #5

Choose one of the following answers

What will hapen if the amount of wather in the atmosphere keeps increasing?

Congratulations!

You have successfully completed our **weather** game!

Question #5

Choose one of the following answers

What is the chemical label for Carbon dioxide?

Congratulations!

You have successfully completed our **causes** game!

Question #5

Choose one of the following answers

How will global warming affect humans?

Congratulations!

You have successfully completed our **Earth** game!

Question #5

Choose one of the following answers

Can renewable energy help global warming?

Congratulations!

You have successfully completed our **solutions** game!