

CH₄

ASK BESHROY :

WHAT IS CLIMATE CHANGE

CO₂



Introduction:

Hi! My name is Beshoy, and I love our planet!

But I have noticed something... The weather is getting hotter, some animals are losing their homes, and big storms are happening more often. Have you ever wondered why? That's because of something called climate change!



AFS Global STEM Academies in Brazil!

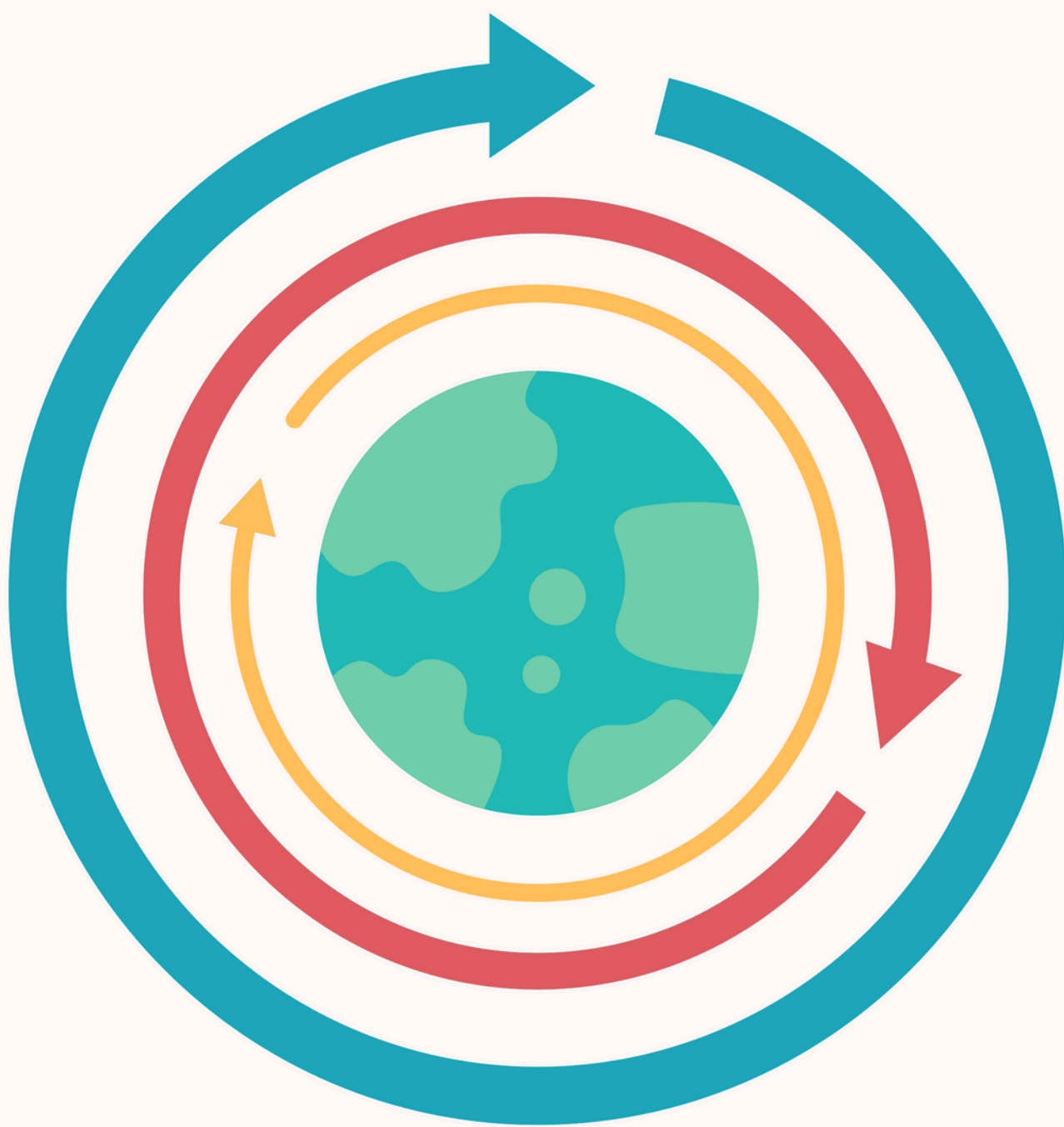
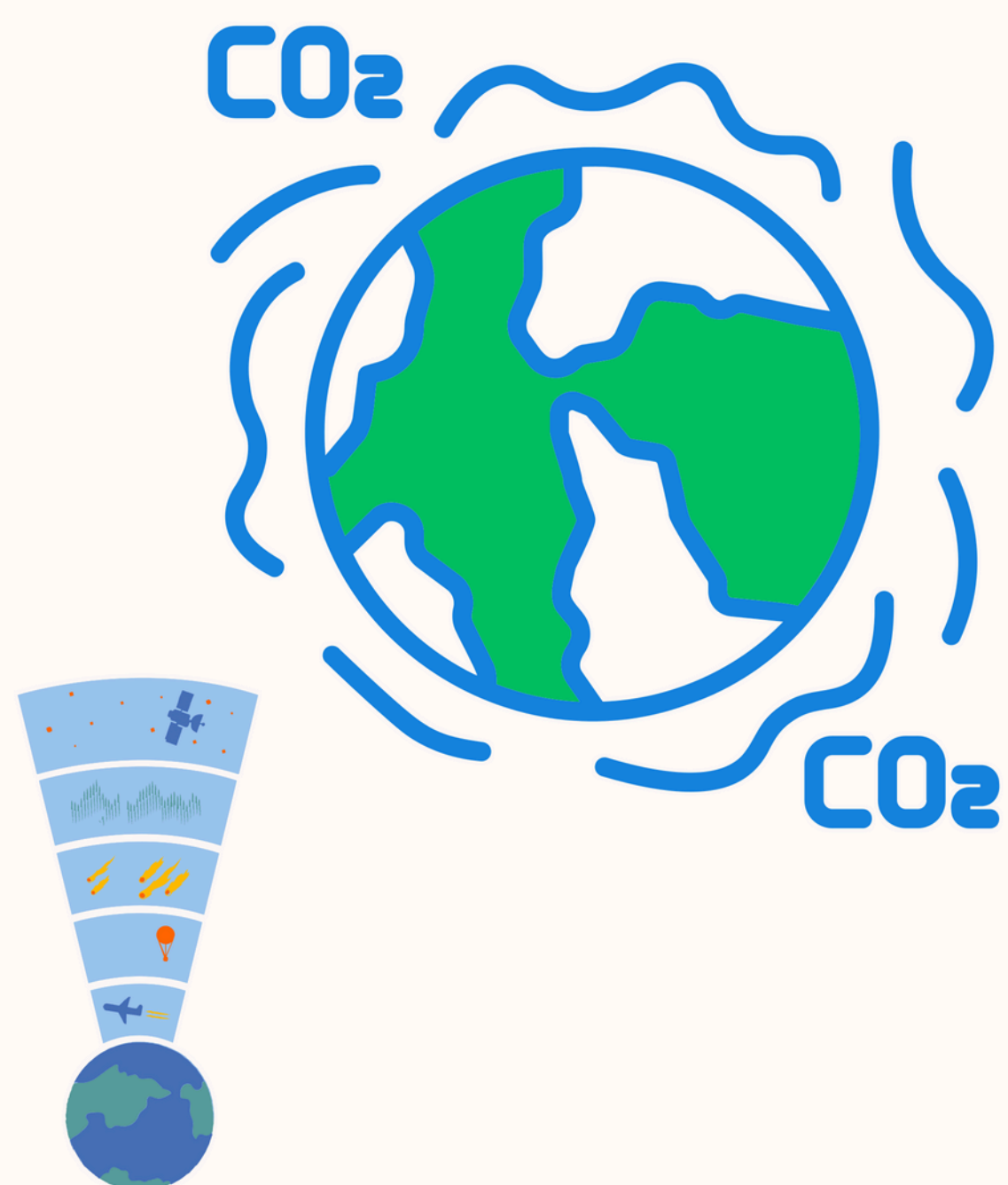
I love learning about how to help our Earth, and that's why I became a scholar with AFS Global STEM Academies in Brazil! There, I met scientists from all over the world.

Are you ready? Let's go!

Chapter 1: What is Climate Change?

the atmosphere

Imagine the Earth wearing a warm, cozy blanket. This special blanket is called the atmosphere. It keeps us safe and warm, just like a hug!



But when we burn too much coal, oil, and gas, we send a gas called carbon dioxide (CO_2) into the air. Too much CO_2 makes Earth's blanket too thick!

Are you ready? Let's go!

Chapter 1: What is Climate Change?

CO₂

That traps extra heat and makes the Earth too hot like wearing a winter jacket on a sunny day!



This makes the weather change in strange way sometimes too hot, sometimes too cold, and sometimes with big storms and floods!

Are you ready? Let's go!

Chapter 2: How Does Climate Change Affect Us?

Ice Melts! ,

In cold places, ice is melting too fast! Poor polar bears have less space to live.

Fires and Heat! In hot places, forests are burning more often.



That makes it harder for animals like penguins to find homes.

More Storms and Floods! The ocean is getting warmer, so big storms and floods happen more often.



Are you ready? Let's go!

Chapter 2: How Does Climate Change Affect Us?

Some plants are sad!

some plants stop growing. That means less food for animals and people! But guess what? We can help!



That can destroy cities and make it hard for people and animals to live. Some plants are sad! If it gets too hot or dry,



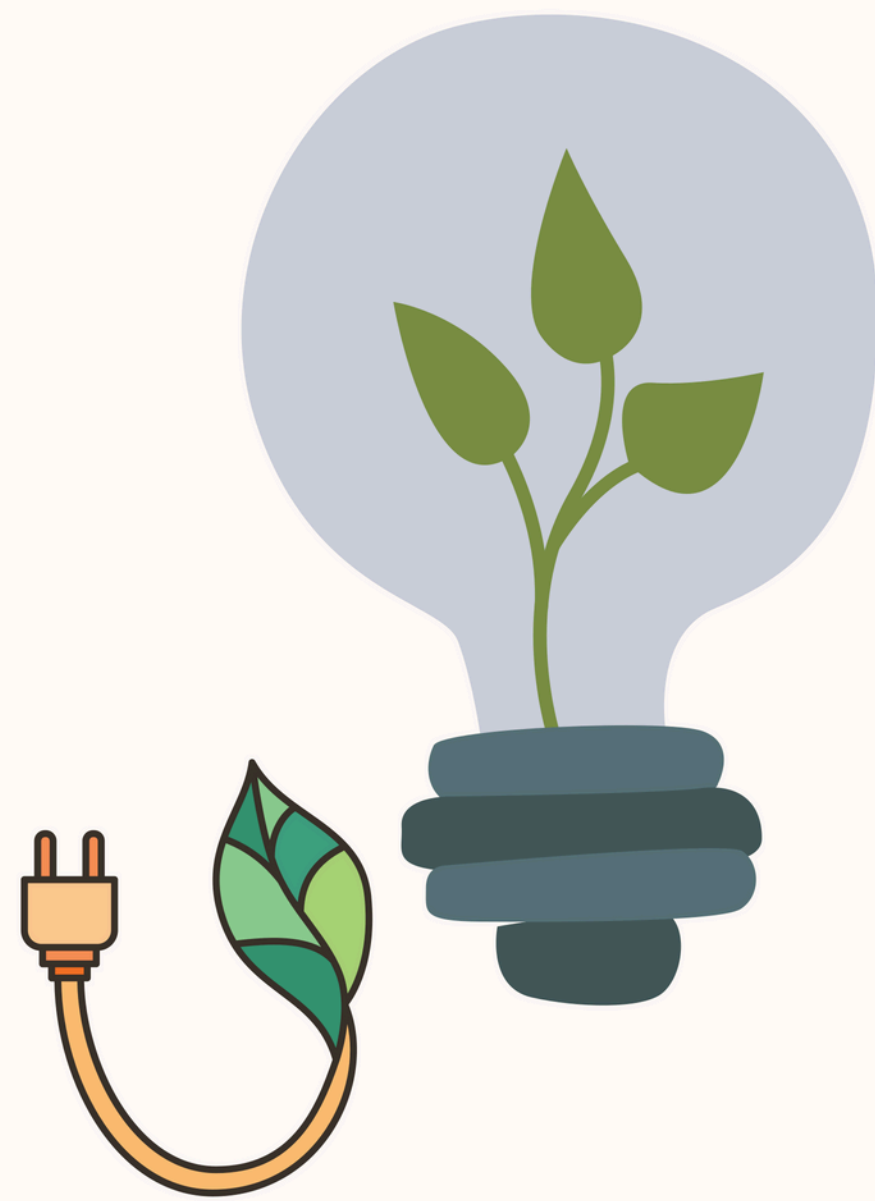
But guess what? We can help!

Chapter 3: What Can We Do?

Save Energy!

**Even small actions
make a BIG
difference! Here are
some ways you can
help!**

**Turn off the lights
when you leave a
room. That helps save
power!**



**Walk or bike! Cars
make a lot of pollution.
If you can, ride a bike,
walk, or use the bus!**

**Plant a tree! Trees
clean the air and make
fresh oxygen.**

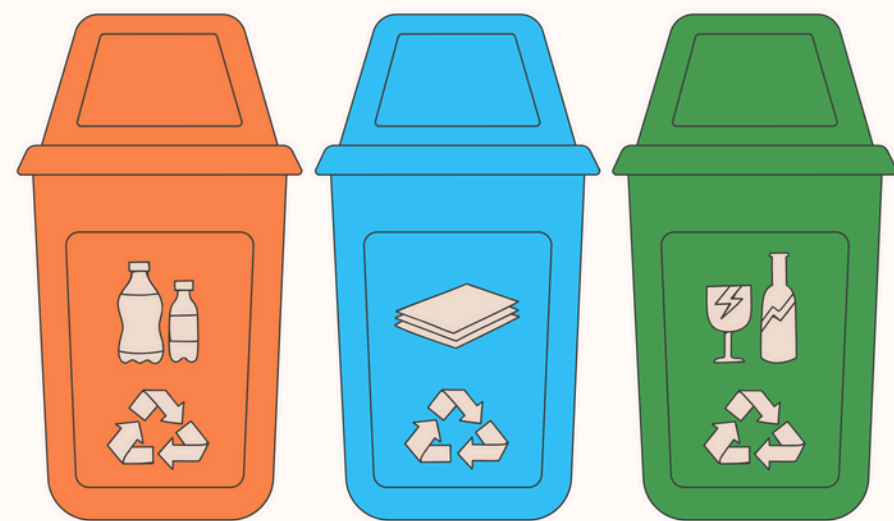


But guess what? We can help!

Chapter 3: What Can We Do?

Reduce, Reuse, Recycle!

Use less plastic, recycle bottles, and use things again instead of throwing them away.



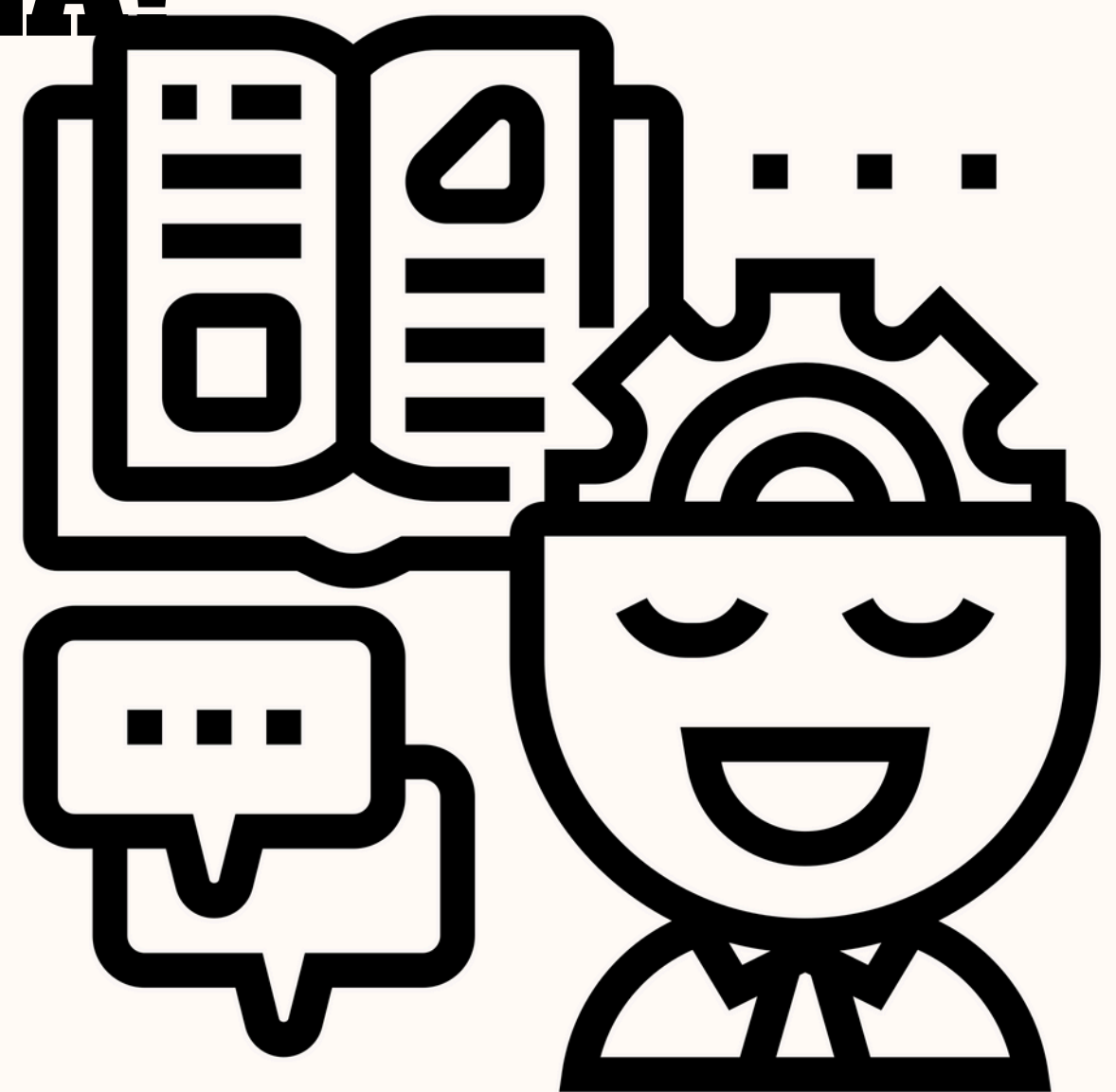
Save Water!
Turn off the tap while brushing your teeth. Water is precious!

But guess what? We can help!

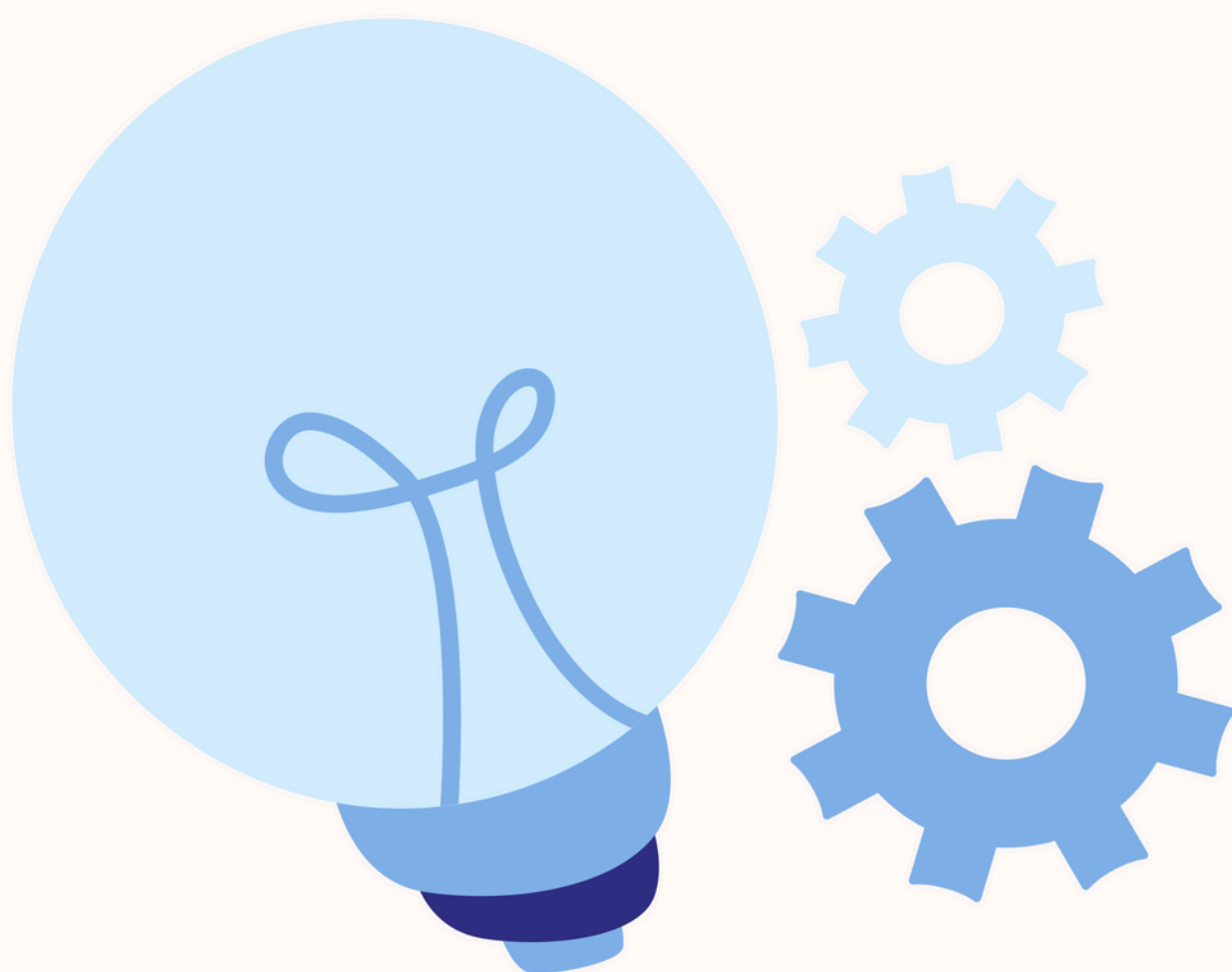
Chapter 4: My Special Idea!

**BIG
IDEA!**

**In Brazil, We met
amazing scientists from
around the world! We
learned about climate
change, new inventions,
and ways to protect our
planet!**



**That's when I
had a BIG IDEA!**



**What if we make artificial
plants that work even
faster than real trees?
These special plants can
take CO₂ from the air and
turn it into clean energy!
That means
less pollution AND more
power for homes and
schools!**

YOU can invent something amazing too!

Chapter 5: You Are a Climate Hero!

save it all

Even if you're small,
your actions can
change the world!
Every time you turn
off a light, you save
energy.



Every time you plant a
tree, you clean the air.
Every time you
recycle, you protect
nature. You are a
Climate Hero!

Together, we can save our world!

The End... or Just the Beginning?

Thank you

**Now it's YOUR turn!
What will you do today
to help our planet?**

**Tell a friend! Share
what you learned with
your family and friends.
Draw a picture!**



**What does a healthy
planet look like to you?
Ask questions! The
more we learn, the
more we can help!
Together, we can save
our world!**

Let's see how much you remember! Try to answer these questions:

Climate Hero Quiz!

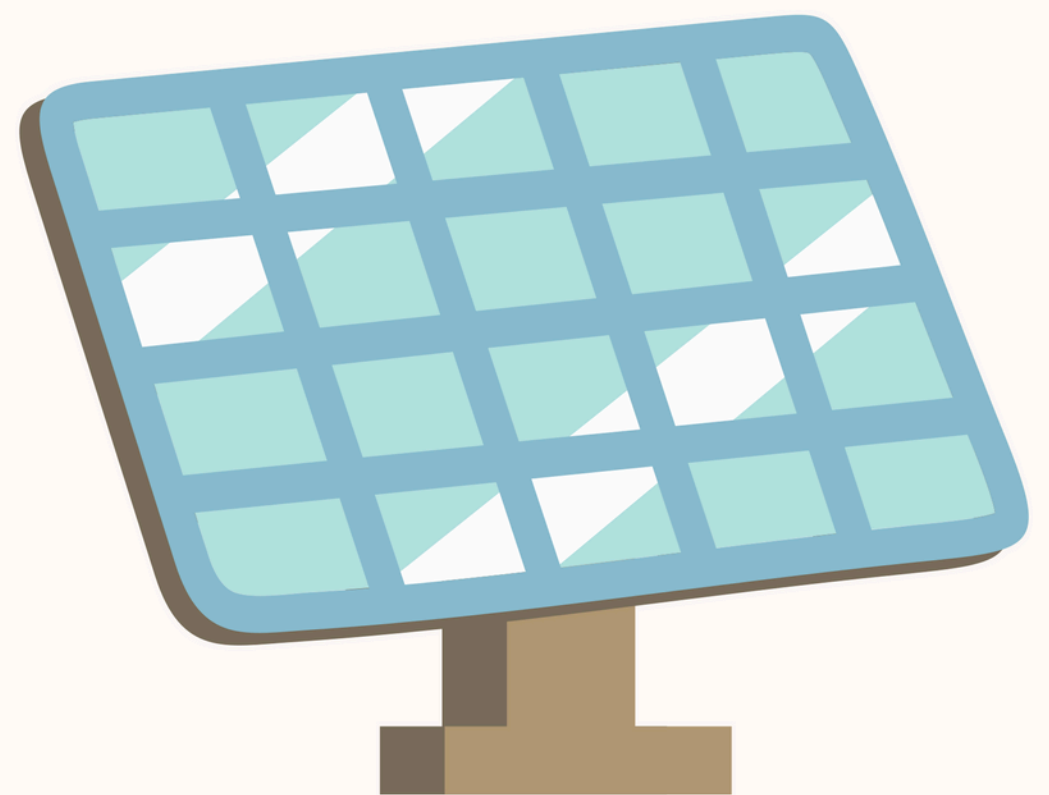
1 What is climate change?

- A) A big party for the Earth
- B) When Earth's weather changes because of too much pollution
- C) A new type of tree



2 What gas makes Earth too hot?

- A) Oxygen (O_2)
- B) Carbon Dioxide (CO_2)
- C) Water (H_2O)



Let's see how much you remember! Try to answer these questions:

Climate Hero Quiz!

3 How can we help the planet?

- A) Turn off lights when we don't need them**
- B) Plant trees C) Recycle plastic and paper**
- D) All of the above!**

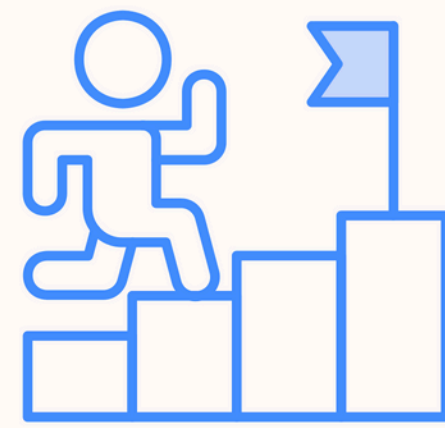
4 What is Beshoy's idea to help our planet ?

- A) A flying bicycle**
- B) A magic ice cream that never melts**
- C) An artificial plant that cleans the air**



Answers:

- 1 **B) When Earth's weather changes because of too much pollution**
- 2 **B) Carbon Dioxide (CO₂)**
- 3 **D) All of the above!**
- 4 **C) An artificial plant that cleans the air**



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