



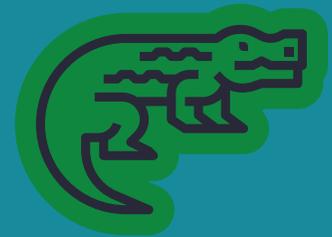
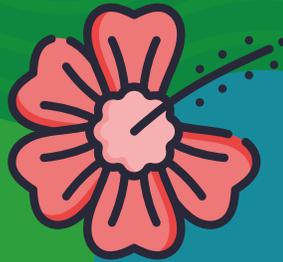
ALCALDÍA DE
BARRANQUILLA

| Soy **BARRANQUILLA** |



Soy **Bilingüe**

21st Century **KIDS**



**A1 Secondary
Student Materials**

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Saving energy, Student Materials

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Hecho en Colombia

Made in Colombia





I'm Isa the Iguana, here to welcome you to **21st Century Kids!** With these materials, you will learn English in a way that will help you explore, understand, and participate in your local and global communities.

Are you ready to start? Let's go!



¡Soy Isa la iguana y te doy la bienvenida a **21st Century Kids!** Con estos materiales, aprenderás inglés de una manera que te permitirá explorar, entender y participar en tus comunidades locales y globales.

¿Estás listo? ¡Vamos!





Saving energy



Let's
SAVE THE
WORLD
TOGETHER

Learning Objective: By the end of this lesson, I will be able to describe the advantages and disadvantages of solar energy and how their families can save energy using “will.”





Pre-task

Activity 1

Label the elements in the solar system with the words below.

Neptune
Venus

Mars
Sun

Jupiter
Saturn

Uranus
Mercury

Earth
Moon

Comet





How many planets are there in the solar system?
What are they?

What is the only planet that has life?

What is a celestial body with a tail?

What is the Earth's only natural satellite?

What is the closest star to our planet?

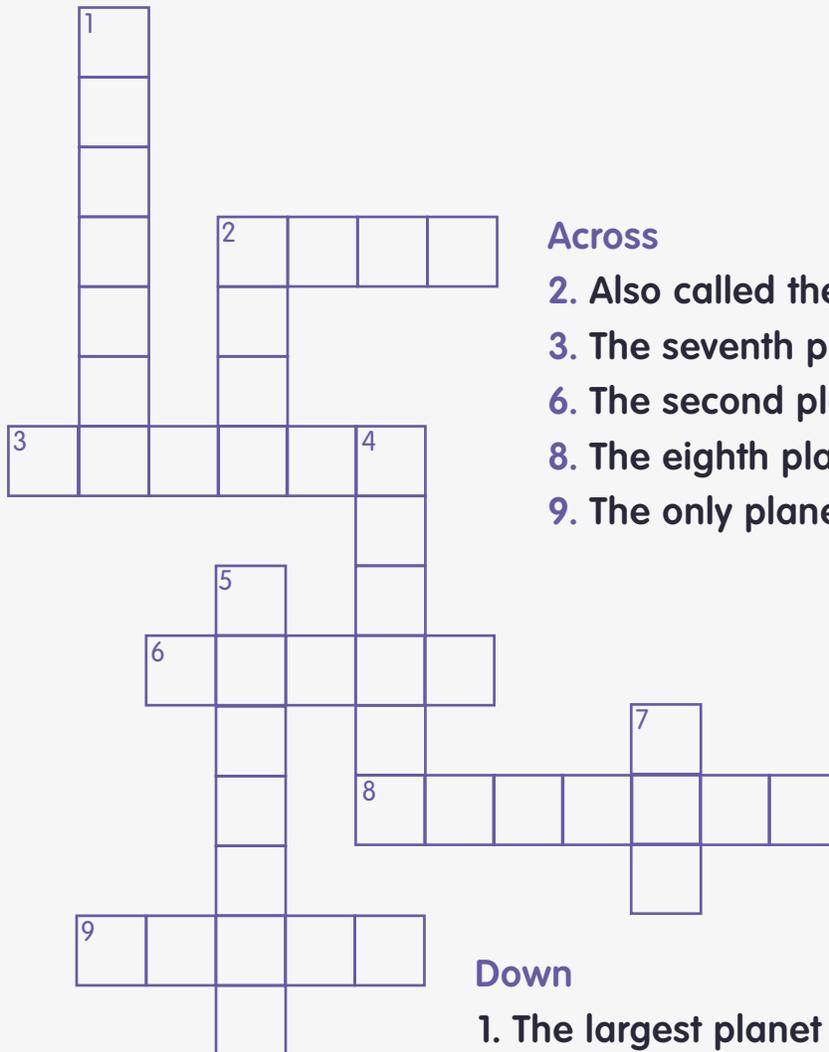
Out of all the elements in our solar system, which
one gives us energy?





Extra Vocabulary Practice

Let's practice our vocabulary. Read the clues and use the words from Activity 1, Pre-task to complete the crossword puzzle.



Across

2. Also called the "Red Planet"
3. The seventh planet from the Sun
6. The second planet from the sun
8. The eighth planet from the sun
9. The only planet that has life

Down

1. The largest planet in the solar system
2. Earth's only natural satellite
4. It has rings
5. The smallest planet in the Solar System
7. The star at the center of the Solar System





Task

Activity 1

Read the text and complete the activities below.

-
- My city is very hot. It is always sunny! For this reason, the government is working on a project. They are planning to construct a farm to generate solar energy. This will bring a lot of benefits to the city. First, solar energy is a truly renewable source of energy. This means we will never run out of it, and it will help reduce contamination. Second, solar panels absorb the sun's rays and convert them into electricity. They provide energy to companies, buildings, houses, cars, and cell phones, among other things. This will help electricity bills be cheaper. Additionally, more people will have jobs installing solar panels. Finally, since solar panels absorb the sun's rays, the temperature inside houses will get cooler. However, not everything is perfect. People say installing solar panels requires a lot of space and money. Also, solar panels depend on the weather. And, solar energy has to be used right away because storing it is expensive. In conclusion, solar panels are more environmentally friendly, but not everybody has access to them right now.
-





Write the advantages and disadvantages of solar energy from the text.

Solar energy

Advantages

Disadvantages

Now, answer the questions below.

In which city do you think this project will be implemented?

- a. Barranquilla
- b. Bogotá
- c. Bucaramanga

In which other Caribbean cities do you think it is possible to use solar energy? Why?





Write the words from the text that describe these pictures.



Activity 2

Look at this extract from the text in Activity 1.



“In conclusion, solar panels are more environmentally friendly, but not everybody has access to them right now.”

If we cannot have solar panels in our house, what can we do to save energy?

Write your ideas here:





Now, look at some tips. Match them with the pictures.

- a. Turn off lights when leaving a room.
- b. Unplug electronic devices when not in use.
- c. Use less air conditioning.
- d. Use the stairs, not the elevator.
- e. Use Led light bulbs.
- f. Take cold showers.
- g. Use the washing machine for full loads only.
- h. Iron big quantities of clothes at one time.
- i. Open windows to let in natural light.
- j. Always close the refrigerator door.





Activity 3

Look at the benefits of solar energy from the text in Activity 1. Then, complete the sentence.

1. Solar energy will help reduce contamination.
2. Electricity bills will be cheaper.
3. The temperature inside houses will get cooler.

The word "will" refers to

- _____.
- a. the present. | b. the future.

Unscramble the sentences to discover future actions we will take to save energy.

Example:

1. when leaving a room / will / we / the lights / turn off

We will turn off the lights when leaving a room.

2. unplug / when not in use / will / we / electronic devices

3. will / use / air conditioning / less / we

4. use / not the elevator / the stairs, / will / we





5. Led light bulbs / use / will / we

6. will / cold showers / take / we

7. the washing machine / use / for full loads only / will / we

8. big quantities of clothes / will / we / iron

9. open windows / natural light / to let in / we / will

10. close / we / will / the refrigerator door





Activity 4

Ask your classmates or family members the questions below to find out what actions they will take to save energy.



Will you _____ ?	Yes	No
turn off lights when leaving a room	<input type="checkbox"/>	<input type="checkbox"/>
unplug electronic devices when not in use	<input type="checkbox"/>	<input type="checkbox"/>
use less air conditioning	<input type="checkbox"/>	<input type="checkbox"/>
use the stairs, not the elevator	<input type="checkbox"/>	<input type="checkbox"/>
use Led light bulbs	<input type="checkbox"/>	<input type="checkbox"/>
take cold showers	<input type="checkbox"/>	<input type="checkbox"/>
use the washing machine for full loads only	<input type="checkbox"/>	<input type="checkbox"/>
iron big quantities of clothes at one time	<input type="checkbox"/>	<input type="checkbox"/>
open windows to let in natural light	<input type="checkbox"/>	<input type="checkbox"/>
close the refrigerator door	<input type="checkbox"/>	<input type="checkbox"/>





Activity 5

Report your results to the rest of the class. Choose three of the most important actions your classmates or family will take to save energy. Write complete sentences using "will."

1. _____

2. _____

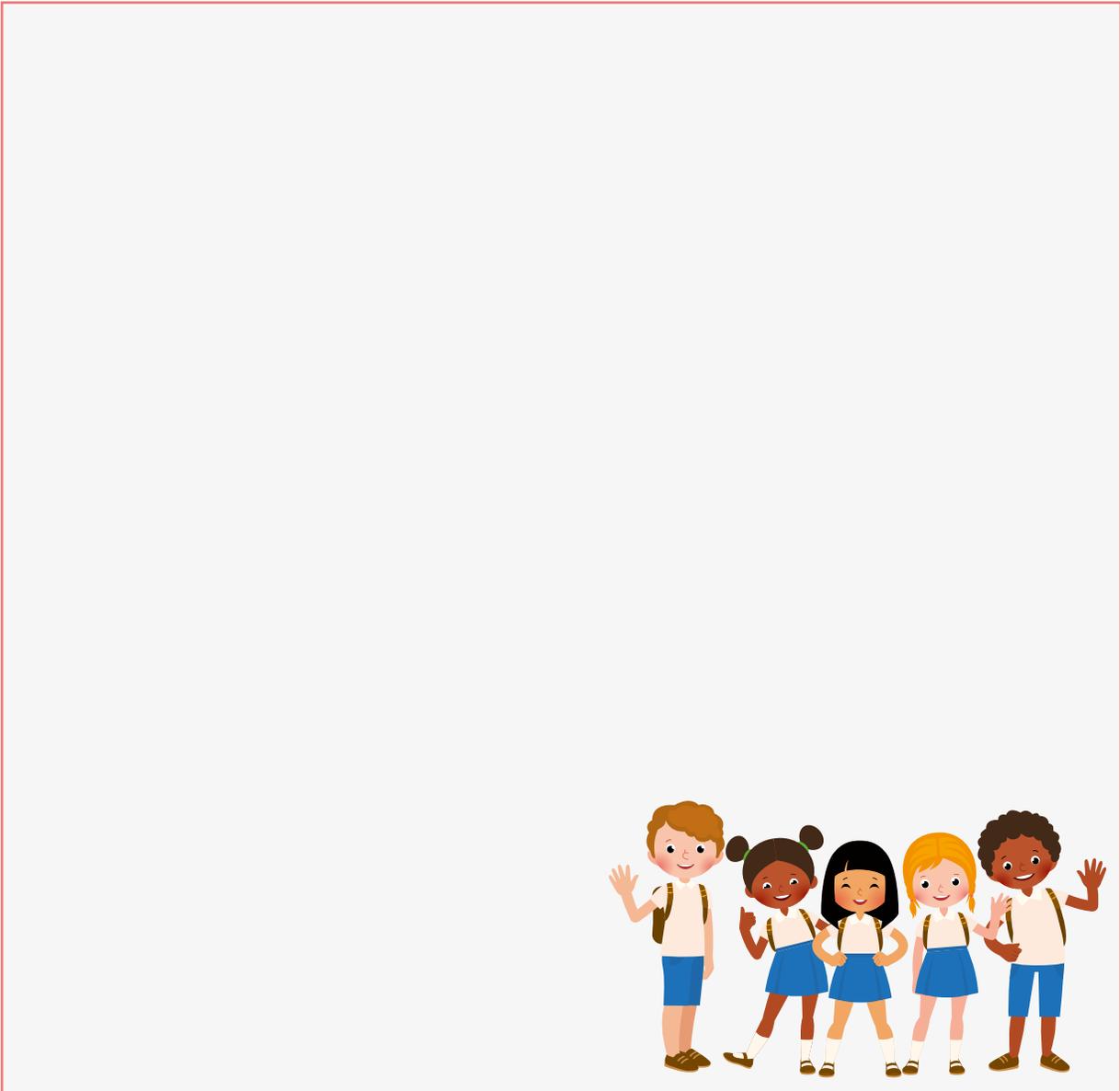
3. _____





Activity 6

Create a visual aid that shows the three actions your classmates or family will take to save energy. Include the sentences you wrote above to remind them to do them every day. Put your visual aid somewhere visible in your classroom or house.





Post-task

Let's reflect on the topic!

We can take advantage of solar energy in Barranquilla.

TRUE | FALSE

There are not many things we can do to save energy.

TRUE | FALSE

We can help save energy at home.

TRUE | FALSE

Saving energy helps our planet.

TRUE | FALSE

