

Welcome! I hope you have enjoyed these special Easter holidays!
Are you ready to work? Remember our motto:

LET'S GO ON! TOGETHER IS BETTER

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6th SOCIAL SCIENCE ACTIVITIES (April 14th to 17th)

¡Recordad, si somos buenos detectives seremos capaces de encontrar todas las respuestas!
(You can use wordreference and spanishdict in case you need help) (Si necesitáis ayuda con el vocabulario podéis utilizar **wordreference** o **spanishdict**).

- We will start reading the following information.

How do humans interact with the environment?

The environment is everything around us. It includes both **natural** and **man-made** components. We change the environment to meet our needs.

Key words

- shelter
- raw materials

Energy. We build wind turbines and power stations to obtain the energy we need.

Access to water. We build wells, canals and reservoirs to make sure we have clean water in our homes.

Shelter. We construct buildings to live safely in.

Extraction of raw materials. We mine the earth for rocks and minerals.

Transport. We build railways, airports and roads to connect populated areas.

Food production. We plant fields to grow food crops.

What environmental problems do humans cause?

Key words

- depletion
- infrastructure
- overexploitation

The **changes** we make to the environment can also cause many problems.

Deforestation. We cut down trees for wood, to make space for farmland or to build **infrastructure**. Deforestation causes animals to lose their homes and it leaves soil unprotected against **erosion**.



Overexploitation. This occurs when we consume natural resources faster than they are replenished, for example, when we catch too many fish in a specific area. Overexploitation results in the extinction of species and the **depletion** of aquifers, as well as deforestation.

Pollution. We pollute the environment when we release harmful substances. This affects air, water and soil.



air



water



soil

What is climate change?

Climate change refers to major **variations** in **weather elements** such as temperature, precipitation and wind patterns.

Causes

Changes in climate can be caused by natural phenomena or by human activity. The burning of fossil fuels produces **greenhouse gases**, such as carbon dioxide and methane.



Effects

The effects of climate change can vary. They include long **droughts** and major **flooding**. The rising temperature of the Earth causes:

- ice caps to **melt**.
- sea levels to **rise**.
- coastal areas to **flood**.



Key words

- drought
- global warming
- greenhouse gas
- ice cap



Science facts

Global warming refers to the gradual increase in temperature of the Earth's atmosphere and oceans. The Earth emits heat into space, but carbon dioxide in the Earth's atmosphere prevents all the heat from escaping. In this way, the atmosphere is like a blanket that keeps the Earth warm enough for life. As the quantity of carbon dioxide increases, the temperature rises.

- What effect does this have on our planet?



How can we protect our environment?

 Protecting the environment is essential to the survival of life on our planet. **Individuals** and **governments** are both responsible for looking after the environment.

- We can **save water** by turning off the tap while brushing our teeth, by having showers instead of baths and by running our dishwashers and washing machines with full loads.
- We can **save energy** by turning off lights when we do not need them, by using low-energy lightbulbs and by travelling by public transport.
- We can **respect nature** by keeping the noise level down when we visit natural areas and by disposing of all our rubbish in an appropriate place.
- We should **dispose of waste appropriately** by recycling paper, glass and plastic and by avoiding releasing waste into the **sewage system**.



➤ Then you open your activity book to pages 20 and 21 and you try to do the activities.

5 Human impact on the environment

1 What is the environment? Tick (✓) your answer.

Everything that surrounds us and affects our lives.

Everything that is man-made that surrounds us and affects our lives.

Everything that is a natural resource that surrounds us and affects our lives.

2 Complete the table.

air – skyscrapers – rocks – fields – plants – houses – factories – dams – roads – animals – water

Landscape components	
Man-made components	Natural components

3 Look at the picture. Write the words in the correct place.

food production – access to water – transport – extraction of raw materials – shelter

1 Answer the questions.

a. Why do we build wells and create reservoirs?





b. Why do we build roads, airports and railways?

c. Why do we build houses?

d. What happens if these actions are repeated day after day?

2 Unscramble the letters. Then, label each picture.

atoneforestd – vtationexptlo – nateim crgha – utioport

3 What do you know about environmental problems? Read and circle the correct words.

a. Deforestation / Pollution destroys animal habitats and leaves the soil unprotected.

b. Pollution / Overexploitation happens when we consume man-made / natural resources faster than they can be replenished.

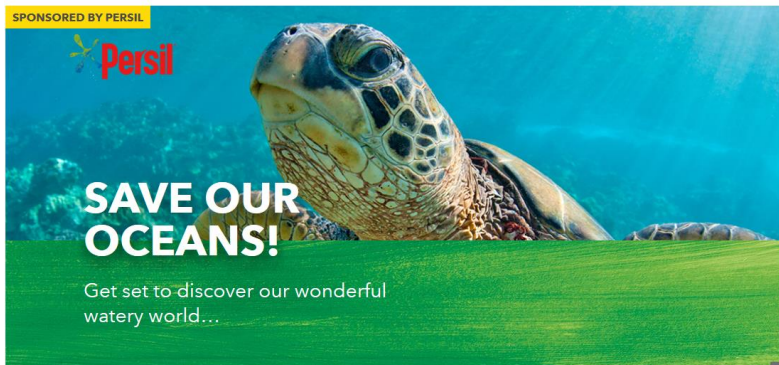
c. Pollution / Climate change is the release of harmful / harmless substances into the environment. It can affect air, water and soil.

d. Deforestation / Climate change occurs when there is a minor / major variation in climate elements such as temperature, precipitation and wind patterns.

➤ HUMAN IMPACT ON THE ENVIRONMENT

(WORSHEET)

(You can do it on your notebook, but please write the title of the unit using capital letters).
(Puedes hacer la ficha en tu cuaderno, pero por favor escribe el título de la unidad con letras mayúsculas).



1) Read the information in this link:

<https://www.natgeokids.com/uk/home-is-good/save-the-ocean/>

2) Answer these questions:

- a. How much plastic enters the world's oceans each year?
- b. What do you know about Great white sharks, Leatherback turtles and Humpback whales?
- c. Who is Miles Fetherston-Resch?
- d. What did he do in 2018?
- e. What does he do nowadays?
- f. Do you know other water heroes and science stars?
- g. How can you help to save our oceans?