

UNIT 4

LESSON 3

GUÍA PARA USAR EL SOLUCIONARIO

1. **¿Qué es un solucionario?**

* Un solucionario incluye las respuestas a todas las preguntas y actividades.
* Algunas de las preguntas tienen más de una posible respuesta.
* Algunas de las preguntas tienen una sola respuesta.

1. **¿Cómo revisar mis respuestas?**

* Encontrarás los títulos:
* Respuestas
* Respuestas abiertas

1. **Las respuestas pueden estar en:**

* Negrita
* Subrayado
* Sombreado con colores
* Encerradas
* Destacadas
* Tachadas

1. **Ejemplos:**

1. What are the people doing?

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| **Respuesta abierta.**  Example: They are recycling to take care of the environment. |

Respuestas:

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| 1. You **shouldn’t** buy toxic products whenever possible. Many toxic products such as motor oil and pesticides cannot be reused. |

SECTION 1: SETTING THE CONTEXT

Reduce, reuse and recycle

**1. Observe the images and answer.**

* Observa las imágenes y responde.

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1. What are the people doing?

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| **Respuesta abierta.**  Example: They are recycling to take care of the environment. |

2. Do you think these activities can be done at home?

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| **Respuesta abierta.**  Example: Yes, I do. They can be done at home. |

3. What concepts do you relate these activities with?

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| **Respuesta abierta.**  Example: I relate them with reduce, reuse and recycle. |

**2. How many activities can you identify? Write them.**

* ¿Cuántas actividades puedes identificar? Escríbelas.

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| **Use cloth bags - replace regular light bulbs -**  **set up a compost container -**  **grow an organic garden - reduce the carbon footprint -**  **reuse clothing** |

Respuestas:



**Reduce the carbon footprint**

**Reuse clothing**

**Used cloth bags**

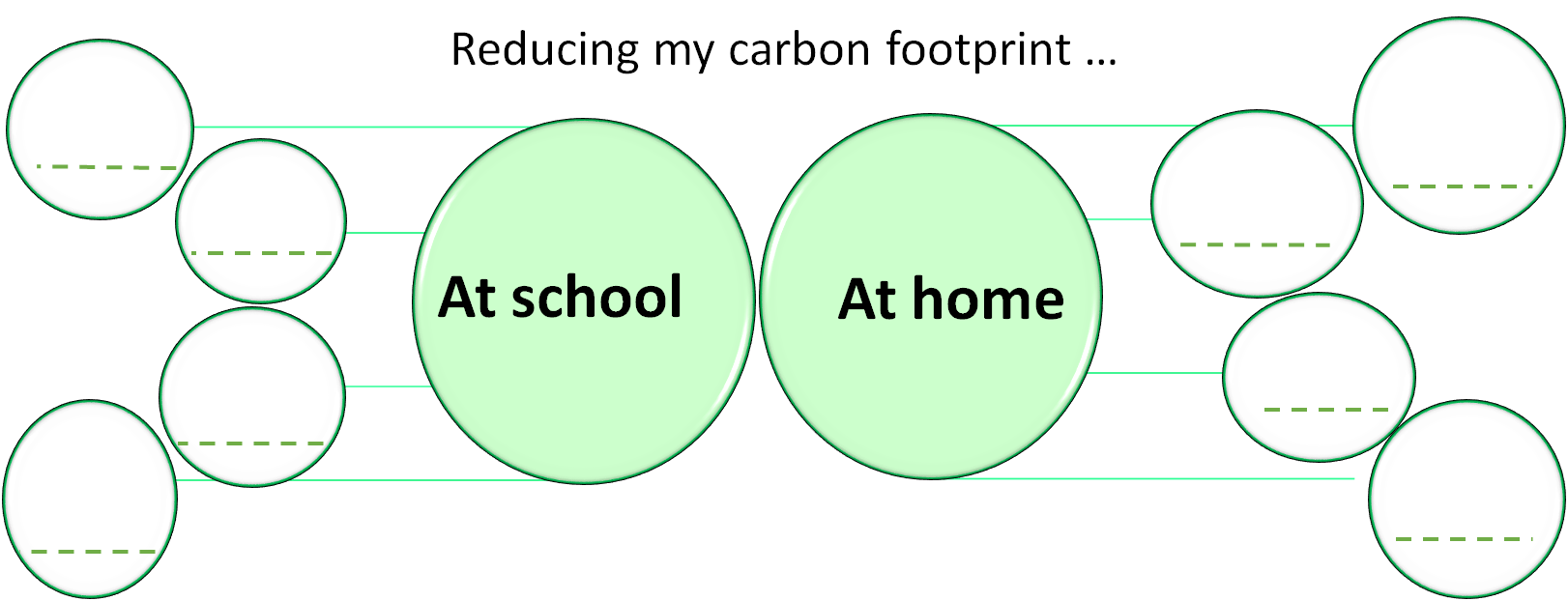
**Replace regular light bulbs**

**Grow and organic garden**

**Set up a compost container**

**3. What do you do to reduce your carbon footprint? Complete the organizer with activities you do at school and at home.**

* ¿Qué haces para reducir tu huella de carbono? Completa el organizador con actividades que haces en el colegio y en tu casa



**Use cloth bags**

**Unplug electronic devices after using them**

**Reduce eating dairy and meat products**

**Reuse clothing**

**Reduce energy waste**

**Set up a compost for food waste**

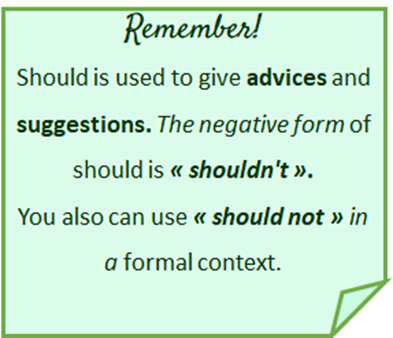
**Recycle paper**

**Reuse books**

**4. Read the following sentences and complete them with should or shouldn't.**

* Lee las siguientes oraciones y complétalas con should o shouldn't

Respuestas:





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| --- |
| 1. You **shouldn’t** buy toxic products whenever possible. Many toxic products such as motor oil and pesticides cannot be reused. |
| 1. You **should** find safer alternatives to hazardous household products. |
| 1. You **shouldn’t** buy items that you won´t use. Buy only what you need. |
| 1. You **should** donate old clothes and books. Other people can reuse your unwanted clothes and books when you donate them to charity shops. |
| 1. You **should** build a Compost Bin. You can reuse many waste items, such as eggshells and old tea bags, using a compost bin. |

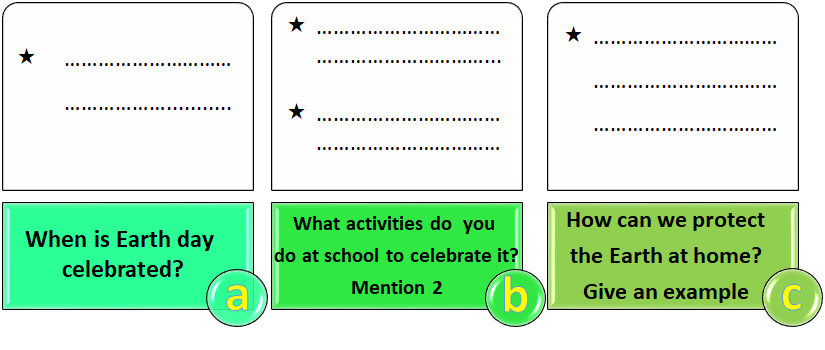
SECTION 2: LET'S PRACTICE

Protecting the Earth at home

**1. Before reading the text, answer the questions.**

* Antes de leer el texto, responde las preguntas.

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| **Respuestas abiertas.**  Examples: |



**We can use solar energy, recycling food waste, reusing clothes and reducing different item of daily use**

**Earth day is celebrated**

**April 22nd**

**We celebrate with a recycling program**

**We set up an organic garden**

**2. Read the text.**

* Lee el texto.

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| **How to protect the Earth at Home**   |  | | --- | | Take a realistic approach to protecting the earth and first consider what you can do in your own home. This is much more manageable than taking on the world. It is in simple everyday steps that you can make an impact. |  |  | | --- | | Make your own non-toxic cleaning products. Doing this will reduce the use of plastics, because you are reusing plastic containers. The ingredients are also biodegradable which means it is gentler on the environment. |  |  | | --- | | Use cloth bags at the grocery store and when you are shopping, instead of using plastic bags. You reduce the use of plastic. |  |  | | --- | | Explore the idea of purchasing energy-efficient appliances. Replace regular light bulbs with their energy efficient versions. They may cost a little more, but they last longer and use less energy. |  |  | | --- | | Set up a compost container. All plant-derived foods, coffee grounds and tea leaves can be composted. You can have a small can in your kitchen and when it gets full, transfer the waste to an outdoor container. You can use the resulting rich fertile soil in the garden. It reduces the amount of garbage. |  |  | | --- | | Grow an organic garden. If you don't have space or time to grow a garden, shop locally and support local farmers. | |

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| |  | | --- | | Reduce the use of car travel. Consider walking, carpooling and bike riding to get to where you want to go. If you have a car, keep it in good conditions, to reduce pollution. |  |  | | --- | | Reuse clothing. Shop resale shops, garage sales and pass clothing items on to friends and family. Consider doing this with toys too and other house items. This helps to recycle and reduce trash. |   Text taken from: <https://en.islcollective.com/english-esl-worksheets/vocabulary/environment?page=4> |

**3. Read the text and complete the sentences.**

* Lee el texto y completa las oraciones.

Respuestas:

1. Non-toxic cleaning products will reduce the use of **plastic.**
2. Use cloth **bags** when shopping.
3. Energy efficient light bulbs use less **energy.**
4. To reduce **the use of car travel.** Consider walking, carpooling or bike riding.
5. You can transfer your kitchen waste to an outdoor **container**.
6. To protect the Earth, first you have to consider things you can do on your own **home**.

**4. Complete the diagrams with information from the text.**

* Completa los diagramas con información del texto.

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| **Respuestas abiertas.**  Examples: |

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| **Reduce** | * pollution * energy waste |

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| --- | --- |
| **Reuse** | * Food waste * Clothing |

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| --- | --- |
| **Recycle** | * Food waste * Plastics * Clothing |

SECTION 3: LET´S CONSTRUCT AND APPLY OUR KNOWLEDGE 

Reducing my carbon footprint

1. **Answer the questions.**
   * Responde las preguntas.

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| **Respuestas abiertas.**  Examples: |

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| **Questions** | **Answers** |
| **Name at least 3 things you do to protect the Earth - according to the text “How to protect the Earth at Home”** | * Do our own non-toxic cleaning products * Use cloth bags * Save energy |
| **Write in 3 words how we can protect the planet. (3“R’s”)** | * Reuse * Reduce * Recycle |
| **Do you know what the carbon footprint is?**  **Write your own definition for it.** | * It is the amount of gases emission produced by human activities. |



1. **Calculate your own carbon footprint, choose the answer.**

* Calcula tu propia huella de carbono, elige la respuesta.

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| **Respuestas abiertas.**  Examples: |

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| 1. How do you get to school? 2. Walk or ride your bike 3. Motorcycle 4. Car 5. **Bus or van** 6. What kind of food does your family eat? 7. **Home cooked food** 8. Fast food 9. What type of food does your family mostly eat? 10. **Vegetable/Fruits** 11. Bread 12. Meat 13. How many carbonated drinks (soda or pop) do you drink? 14. **None** 15. I can per day 16. 2 can per day 17. 3 or more cans per day 18. Do you turn off the water when brushing your teeth? 19. **Yes** 20. No 21. How often does your family do laundry? 22. Once per month 23. Twice per month 24. Once per week 25. **Twice or more per week** 26. Do you turn the lights off when not needed? 27. **Yes** 28. No 29. Do you turn off your computer, video games or other electronics when you are not using them? 30. Yes 31. **No** 32. What type of fuel or energy is used to heat your home? 33. Wood 34. **Propane** 35. Oil 36. Natural gas 37. Does anyone in your home own any of the following items? Circle all that apply. 38. **TV** 39. **Cell phone** 40. **Computer** 41. **Washing machine** 42. **Video Game** 43. **Refrigerator** 44. **Microwave** 45. **Electric kettle**   **SCORING INSTRUCTIONS:**  For questions 1through 9: **1 point for A / 2 points for B / 3 points for C / 4 points for D**  For question 12: **1 point for each item circled**.  Add the points and determine your **“carbon footprint”** |

Total: 28 points

**There is a room for improvement**

1. **Review your choices in the survey (activity nº2) and using the tips given in the text “How to protect the Earth at Home”, write your plan to reduce your carbon footprint.**

* Revisa tus respuestas en la encuesta (actividad nº2) y usando los tips dados en el texto **“How to protect the Earth at Home”**, escribe tu plan para reducir tu huella de carbono.

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| **Consider the following aspects to write your paragraph**  What things will you turn off? - How will you get to school? - What will you eat? - How much electronics will you use? - What will you recycle? - Will you reduce the use of plastics? - What will you reuse? |
| **What changes can you make in your life to reduce your carbon footprint?**  **Respuesta abierta.**  Example:  To reduce my carbon footprint, I will reduce laundry once per week and use natural gas to heat home.  **Try to make some of these changes during the next week...** |

SECTION 4: EXTRA ACTIVITY

Solve the word search

**1. According to the topic of this lesson, find the following words in the word search. They can be in any directions.**

* De acuerdo al tema de esta lección, encuentra las siguientes palabras en la sopa de letras. Ellas pueden estar en cualquier dirección.

Respuestas:

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|  | **Words**   * carbon * compost * earth * footprint * pollution * recycle * reduce * reuse |

SECTION 5:

Digital Resources

Take a look at these links!

* <https://bdescolar.mineduc.cl/info/cleaning-up-the-earth-00046337>
* <https://learnenglishkids.britishcouncil.org/word-games/environment>
* <https://www.nationalgeographic.org/education/>
* <https://www.nationalgeographic.org/education/resource-library/?q=&page=1&per_page=25&subjects=Conservation>
* <https://kids.britannica.com/kids/article/environment/399445>
* <http://www.recycling-guide.org.uk/>
* <https://bdescolar.mineduc.cl/info/recycling-earths-resources-00046329>

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