

3RD
CONTEST

HAZLO VERDE
EDUCATIONAL AWARENESS-RAISING PROGRAMME

MISSION #SOMOSLARAÍZ



UNIT

4

REFLECTION DYNAMICS FOR THE
7 SDGs

7 AFFORDABLE AND CLEAN ENERGY



Can you imagine a world without electricity or a more polluted world? The energy sources most used on the planet are non-renewable (oil, nuclear power and electric) and this has consequences for the environment. We must promote the use of renewable energies and prevent wasting energy.

SDG 7 DYNAMIC: THE EFFECTS OF ENERGY

Ages

8 to 12.

Click on the video:

Length

50 minutes.

Objectives

Evaluate the type of renewable energies and fossil fuels in the world, as well as the percentage each is used and the consequences of each type.

Materials needed

1 worksheet for each student
There are 2 worksheet types: one with the name of the energy and the other with an icon or image. Downloadable in PDF.



https://youtu.be/yLdDE0aQ_r0

EXPLANATION OF ACTIVITY AND RULES

1. Give each student a worksheet. They should not show them to anybody else. One part of the class will have worksheets with the name, and the other part will have worksheets with an icon.

TIME

5'

2. Start the game!
Every student must find their partner, matching the name of each energy to its image.

20'

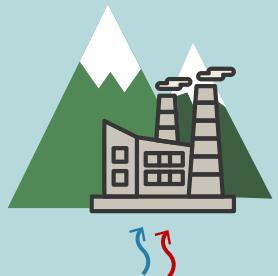
3. After everyone has found their match, write down the number of pairs: the resulting renewable energies and fossil fuels.
There should be a larger number of renewable energies than fossil fuels, as their ratio is 6 to 3.

5'

4. Debate and reflection:
Knowing that fossil fuels only represent 20% of all energies that exist and that they are responsible for 86% of world production:
Is it possible to meet world energy demands and also care for the environment at the same time?
How is it possible that fossil fuel use is so widespread when there are an abundance of renewable energies?
What are the consequences of using fossil fuels for energy?

20'

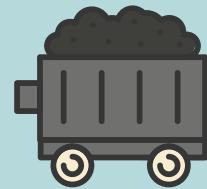
86% of energy production in the world comes from fossil fuels, although they only represent 20% of all energies that exist.
Fossil fuels also have negative consequences for the environment: pollution, greenhouse effect and climate change.



NUCLEAR ENERGY

SOLAR ENERGY

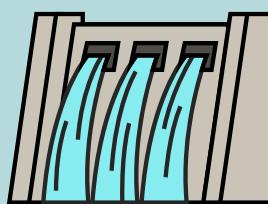
GEOTHERMAL ENERGY



WIND ENERGY

NATURAL GAS

COAL



OIL

HYDROELECTRIC POWER

BIOETHERMAL ENERGY