

Theme 2. Energy

Worksheet - Ages 11-14

Name: _____

Problem and solution

Exercise 1

You are already familiar with renewable energy resources such as: solar energy, wind energy, and water energy.

Which other kinds of renewable energy resources are there?

Do an internet search.

Write two other types of renewable energy resources.

1.

2.

Exercise 2

You might think that utilizing renewable resources is a very modern development, but you'd be surprised. Many of the processes we use today got their start a long time ago.

Do an internet search and find three examples of renewable energy resources that were used or invented before 1950.

1.

2.

3.



Exercise 3

Many people still use petrol to power their cars and natural gas for cooking.

But what will happen when we run out of oil and gas?

How will we cook and power our vehicles?

These types of questions deal with the phrase “energy transition”.

What does “energy transition” mean?

Discover the definition of the term and write the definition below.

Exercise 4

Write your opinion for these three statements.

Circle whether you agree or do not agree with the statement, and then explain why you do or do not agree.

1. “The fact that we are running out of fossil fuels is also my problem.”

I do / do not agree with this statement because:

2. “Increase the price for energy, that will make people be more careful with their energy usage.”

I do / do not agree with this statement because:

3. “The advantages of solar and wind energy are greater than the disadvantages.”

I do / do not agree with this statement because:



What can you do?

Exercise 5

*A school can take many steps to become more energy efficient.
They can change things like using solar panels, using led-light bulbs and insulating the building.*

What can a school do to become more energy efficient?

- Ask your teacher for information about what your school already does.
- Do a search on the internet.
- or...come up with your own suggestions. 😊



Write three suggestions of actions your school can take.

1.

2.

3.

