Lesson Plan © Easy Access English

RENEWABLE ENERGY

EAE Learning objectives for this lesson

You will practice discussing renewable energy in English. You will review the past tenses. You will practice using the past tenses. You will test your comprehension. Level B1+.



Activity One - Answer the questions.

1. *What kinds of renewable energy do you know of?*
2. *What kinds of renewable energy do you use?*
3. *Do you know about the history of renewable energy?*



Activity Two - Let's revise the past tenses.

Simple Past - He went to a conference on waste management last week.

Used for:

- action in the past taking place once, never or several times
- actions taking place one after another
- action taking place in the middle of another action

Used with : yesterday, 2 minutes ago, in 1990, the other day, last Friday

Past Progressive - He was speaking to the President of the CEA.

Used for:

- action going on at a certain time in the past
- actions taking place at the same time
- action in the past that is interrupted by another action

Used with : when, while, as long as

Present Perfect Simple - He has been to a conference on solar energy so he knows a lot about the subject.

Used for:

- putting emphasis on the result
- action that is still going on
- action that stopped recently
- finished action that has an influence on the present
- action that has taken place once, never or several times before the moment of speaking

Used with : already, ever, just, never, not yet, so far, till now, up to now

Present Perfect Progressive - He has been working for CEA for seven years. Used for:

- putting emphasis on the course or duration (not the result)
- action that recently stopped or is still going on
- finished action that influenced the present



Used with : all day, for 4 years, since 1993, how long?, the whole week

Past Perfect Simple - He had never been to London before.

Used for:

- action taking place before a certain time in the past
- sometimes interchangeable with past perfect progressive
- putting emphasis only on the fact (not the duration)

Used with : already, just, never, not yet, once, until that day +'if' type III If I had talked, …

Past Perfect Progressive - He had been going to the gym regularly before he moved to Paris.

Used for:

- action taking place before a certain time in the past
- sometimes interchangeable with past perfect simple
- putting emphasis on the duration or course of an action

Used with : (for, since, the whole day, all day)

ACTIVITY TWO: Replace the CAPITAL LETTERS in the text with the correct past tenses.

The CEA (BE) created in 1945.The French Alternative Energies and Atomic Energy Commission (CEA)it (BECOME) a key player in research development and innovation in renewable energies. In march 2016, Reuters (PUBLISH) an article which (DESCRIBE) the "Top 25 Global Innovators and (PLACE) CEA as *number one* amongst "*The World's Most Innovative Research Institutions*"

There (BE) numerous research programmes at the CEA on hydrogen technologies since the end of the 1980s. These programmes are part of the organisation's work on the development of new energies and make use of researchers' expertise in materials, high-temperature and high-pressure processes, and the integration of technologies. The CEA's constant (HAVE) always … increase the economic interest of this energy option.

For many years CEA researchers (WORK) on electric battery technologies, in particular for transport. Through their expertise in chemistry, materials and electronics, and also information technology, they (BE ABLE) offer industrial companies solutions to reduce the cost of batteries, improve their performance, and make them as safe and as reliable as possible.

The CEA (BE) conducting active research in the field of 2nd and 3rd generation biofuels, in association with academic organisations and industrial companies in the field. For 2nd generation biofuels, the CEA (FOCUS) on the thermochemical method. For 3rd generation biofuels, the CEA's researchers are investigating the ability of micro-algae to produce hydrogen and studying certain mechanisms in living organisms such as photosynthesis.
As a research organisation heavily involved in the development of renewable energies, the CEA has always (APPLY) its expertise to R&D programmes focusing on the building and energy efficiency sectors.

ACTIVITY THREE - Check out the *worldometer* and give the environment statistics you see, in the past tense. **http://www.worldometers.info/**

ACTIVITY FOUR - Say the following sentences in the past tense :

1. **In one year in the USA 7%** of energy that comes from renewable sources.
2. **53** % of that renewable energy is drawn from biomass fuels, the largest supplier, followed by hydroelectric (36%); solar, geothermal, and wind energy which all contribute 5% or less.
3. **In one year 15%** of the average household electricity bill goes toward lighting alone.
4. In one year Americans use 50 million tons of paper -- consuming more than 850 million trees.
5. The glass the Americans throw away in a year is enough to fill a building the size of the Twin Towers every two weeks.
6. Many banks lend large sums of money to developing nations. In order to pay those debts plus interest many nations turn to the mining of their natural resources as a source of financial aid.
7. A simple act, like turning off the water faucet while brushing your teeth, can save 9 gallons of water.
8. Recycling a bottle will cause 50% less water pollution and 20% less air pollution.

ACTIVITY FIVE – You have 30 seconds to brainstorm as many things as possible that you did this week in the interest of the environment.

ACTIVITY SIX - Now explain – using the different past tenses – what happened before each of these pictures was taken.













How far have you got?

learning objectives

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Fill in the bars to show your progress