

Renewable Energy

First WATCH the video, then do the exercises!

Watch the video again and fill in the missing words:

Around the world renewable energy use is on the rise. And these alternative energy sources could hold the key to combating climate change.

What is renewable energy?

Renewable energy is ..... from sources that naturally replenish themselves and ..... The most common sources are ....., ..., ..., ... and ..... Over 80 % of total

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energy consumed by humans is derived from fossil fuels. However, renewables are the fastest growing source of energy in the world.

Renewable energy has many benefits.

First, it can combat climate change because it creates ..... They only emissions that they produce are indirect, meaning those that result from ..... parts, installation operation, and maintenance. But even those are minimal.

Second, renewable energy can ..... pollution and therefore ..... threats to our health. Wind, solar and hydroelectric systems create no air pollution emissions and geothermal and biomass energy systems emissions are much lower than non-renewable energy sources.

Third, renewable energy is a ..... source of power because renewable energy sources are, well, renewable. They will never run out. Once built, renewable facilities cost very little to ..... and the fuel is often free. As a result, renewable energy prices tend to be stable over time.

While renewable energy has many advantages, it is not without downsides.

It is difficult for renewable energy sources to ..... on the same large scale as fossil fuels. Building ..... and ..... can disrupt wildlife and migration patterns and lead to ecological ..... Both, solar and wind energy are intermittent. They only generate power while ..... or ..... Batteries can store excess energy for later use. However, they are often costly. While renewable energy presents some challenges, it also offers an environmentally friendly alternative to the greenhouse gas emissions and pollution of fossil fuels. And as advances in ..... make renewable energy more ....., ... and ....., an end to climate change could be within our reach.

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