

# Primary Science: Energy Sources

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Look at the picture. On one side there is dirty energy being produced, and on the other shows clean green energy.

Can you tell which one is which? One is harmful to the planet. The other tries to create energy from natural sources.



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Dirty energy harms our environment. Energy is made through methods that leak pollution.

The biggest dirty energy is coal. Coal releases gases called carbon dioxide and nitrous oxide during combustion. It contributes to climate change as the gases are released into the atmosphere. This is called air pollution.

Coal also causes water pollution. Coal combustion waste contains many toxic chemicals that is often dumped in waters. The mercury emissions from coal can travel long distances.



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In the picture there are four sources of energy. Which is the dirty one? Which are clean/green?



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Clean energy is created from natural sources.

Wind energy is created through the use of wind turbines. The wind turns the turbine around a rotor, which spins a generator, making energy.

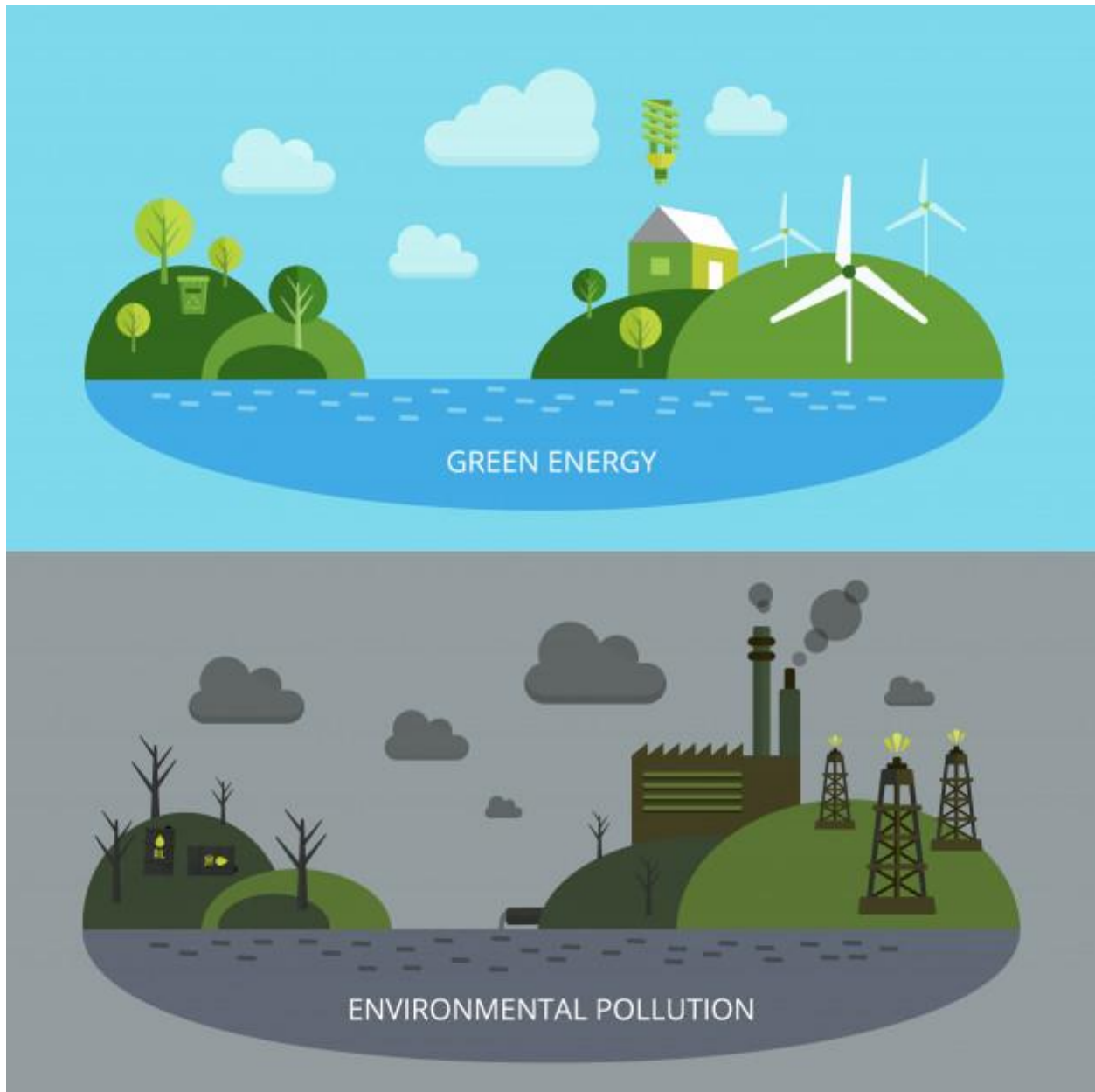
Solar energy is created through the use of solar panels. The sunlight activates the panels which produces electrical current.

Hydroelectricity produces energy by generators that is pushed by the movement in the water.



# Primary Science: Energy Sources

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What world would you like to live in? Green energy can help our planet and environment.



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Answer the questions.

What does dirty energy do to the planet?

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What pollution does coal produce?

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What is clean energy?

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Answer the questions.

How can we create wind energy?

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How can we create solar energy?

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How can we make hydroelectricity energy?

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