

Renewable Energy (Pros and Cons)

BDC Elementary: <https://bluegrassdebate.org/homework/#elementary>

PROS	CONS
1. Cleaner Air (No Particle Emissions) < Renewable Energy Magazine , November 5, 2020 >	1. Unreliable Energy (not always avail) < Detroit Free press , October 10, 2015 >
2. Cleaner Water (No Contamination) < Energy Collective Group , January 24, 2019 >	2. Harming Our Wildlife (deadly for birds) < Detroit Free press , October 10, 2015 >
3. Reduces Global Warming (CO2!) < Prof. Mark Jacobson, Stanford Univ. , LU: January 21, 2020 >	3. Wastefully Expensive (ex. technology) < MIT Technology Review , February 26, 2018 >
4. Preventing Habitat Loss (ex. Mining!) < Dr. KN Sheth, Gujarat Technological Univ., Research Gate , March 24, 2018	4. A Big 'Gamble' (Risks to impoverished) < Heritage Foundation , October 30, 2018 >
5. Fewer Health Problems (ex. Particles!) < American Lung Association , Aug 3, 2020 >	5. Harms Economy (lost jobs / \$=trillions!) < Heritage Foundation , February 14, 2019 >

Pros and Cons of Renewable Energy Resources,

BBC News, Last Accessed: December 2021

<https://www.bbc.co.uk/bitesize/guides/zbsdmp3/revision/4>

Note: Please use the BBC article to write 2-3 additional facts...

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Pros and Cons of Renewable Energy Resources

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Advantages of Non-Renewable Energy Resources

Most renewable energy resources are clean, because they do not produce any pollution and cheap because their energy supplies do not have any cost.

Hydroelectric power stations, as well as tidal and wave generators, are very reliable, and both hydroelectric power stations and tidal generators produce large amounts of electricity.

Disadvantages of Renewable Energy Resources

At the present time, most renewable energy generators are expensive to set up. Also, sources such as wind turbines and solar cells rely heavily on the weather. If it is not a windy day, wind turbines will not turn. And if it is not sunny, solar cells will not produce much electricity.

Energy Resource	Advantages	Disadvantages
Fossil fuels	Reliable	Create pollution and will run out
Nuclear power	Reliable	Will run out and produce dangerous waste that is hard to dispose of
Wind turbines	Clean and cheap to run	Expensive to set up and wind does not always blow
Wave generators	Clean and cheap to run and Scotland has a lot of coastlines	Expensive to set up
Tidal generators	Clean and cheap to run and produce a lot of electricity once running	Very expensive to set up and could be hazardous to local wildlife
Hydroelectric power stations	Clean and cheap to run	Expensive to set up and output could be affected by drought
Solar cells	Clean and cheap to run	Not always sunny and output does not always outweigh initial cost to set up