

Gale Scavenger Hunt

Science In Context: Alternative and Renewable Energy

1

What is renewable energy? What are the most commonly used sources?

Answers: “Renewable energy is energy from sources that are unlimited or replenish in a relatively short amount of time.” Sources: Wind energy, Solar energy, Biomass (organic matter), and Hydropower (water). Bonus: Geothermal energy (Earth’s core) is not yet commonly used.

Source: Renewable Energy, Experiment Central: Understanding Scientific Principles Through Projects, 2010
[http://link.galegroup.com/apps/doc/CV2644200095/SCIC?u=\[INSERT LOCID\]&xid=385daf5b](http://link.galegroup.com/apps/doc/CV2644200095/SCIC?u=[INSERT LOCID]&xid=385daf5b)**

2

What does the word ‘sustainability’ mean? How is it used by environmentalists?

Answers: Sustainability means to endure. Environmentalists use it to describe ecosystems that can live indefinitely.

Source: Sustainability, Gale Video Series, January 18, 2017
[http://link.galegroup.com/apps/doc/IINVPM725480224/SCIC?u=\[INSERT LOCID\]&xid=4a0cc238](http://link.galegroup.com/apps/doc/IINVPM725480224/SCIC?u=[INSERT LOCID]&xid=4a0cc238) **

3

What does the acronym EPA stand for? What does the EPA do? **Hint: Use a tool to quickly search through all of the content within the topic page.

Answers: EPA: Environmental Protection Agency – a federal agency that regulates and protects human health and the environment adopted by Congress. *Answers may vary, but main idea should be the same.

Source: Facebook, Google, Twitter to fight fake news with ‘trust indicators’, CNN Wire, November 16, 2017
[http://link.galegroup.com/apps/doc/A514689785/OVIC?u=\[INSERT LOC ID\] &xid=f23fc90b](http://link.galegroup.com/apps/doc/A514689785/OVIC?u=[INSERT LOC ID] &xid=f23fc90b) **

4

The Darrieus windmill is said to look like what? What is the advantage of this wind turbine?

Answers: A giant eggbeater. The Darrieus windmill has the advantage of being able to operate no matter which way the wind blows.

Source: Darrieus Vertical Axis Wind Turbines, Alternative Energy, May 1, 2012
[http://link.galegroup.com/apps/doc/PC4205137014/SCIC?u=\[INSERT LOCID\]&xid=86e20f97](http://link.galegroup.com/apps/doc/PC4205137014/SCIC?u=[INSERT LOCID]&xid=86e20f97) **

5

How many turbines are on the wind farm in Texas and how tall are they? What is Amazon’s long term goal as stated by Kara Hurst?

Answers: 100 turbines that are over 300 feet tall. To power their global infrastructure using 100% renewable energy.

Source: Amazon Launches Biggest Wind Farm Yet - Company’s Renewable Energy Projects Will Together Generate Enough Clean Energy to Power More Than 330,000 Homes, ENP Newswire, October 20, 2017
[http://link.galegroup.com/apps/doc/A510483507/SCIC?u=\[INSERT LOCID\]&xid=68ac1e16](http://link.galegroup.com/apps/doc/A510483507/SCIC?u=[INSERT LOCID]&xid=68ac1e16) **

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