

Balancing The Energy Sources



Energy powers everything we do: from turning on lights to driving cars. But not all energy sources are the same.

Renewable energy sources, like **solar, wind, hydropower, geothermal, and biomass**, can be naturally replaced in a short time. These resources help reduce pollution and provide clean power for the future.

On the other hand, **nonrenewable energy sources**: such as **coal, oil, and natural gas**, formed millions of years ago from ancient plants and animals. Once used, they cannot be replaced quickly. Burning these fuels creates pollution and contributes to climate change, but they are still widely used because they provide large amounts of reliable energy.

Many countries are working to use more renewable energy. Switching to these cleaner sources can protect the environment, reduce greenhouse gases, and ensure energy for future generations. However, building solar panels, wind turbines, and other renewable systems can be expensive and take time to set up. Balancing the use of renewable and nonrenewable energy is one of the biggest challenges our world faces today.

Comprehension Questions

1. What are two examples of renewable energy sources mentioned in the passage?
2. Why are coal, oil, and natural gas considered nonrenewable?
3. According to the passage, what is one advantage of renewable energy?
4. What is one disadvantage of renewable energy mentioned in the passage?
5. Why do many countries want to use more renewable energy?
6. In your own words, explain why balancing renewable and nonrenewable energy is a challenge.