



Science & Progress

This week's topic



Warm – up

01

In what ways does science help us understand the world better?

02

What issues has science not yet found an answer for?

Vocabulary

Vocabulary	Phonetic Description	Basic Definition
Journey	/ˈdʒɜːni/	A long trip or travel from one place to another.
Alternative	/ɔːlˈtɜːnətɪv/	A different option or choice.
Fuel	/fjuːəl/	A substance that provides energy, such as wood, gas, or electricity.
Crisis	/ˈkraɪsɪs/	A time of great difficulty or danger that needs urgent attention.
University	/juːnɪˈvɜːsɪti/	A place of higher education and research.
Professor	/prəˈfɛsə/	A teacher at a university or college, especially a senior one.
CEO	/ˌsiːˈəʊ/	Chief Executive Officer, the leader of a company.
Alternative Source	/ɔːlˈtɜːnətɪv sɔːs/	A different or new way of providing energy or resources.
Deforestation	/ˌdɪfɔːrɪsˈteɪʃən/	The cutting down and clearing of forests for land use or development.



Vocabulary

Vocabulary	Phonetic Description	Definition
Innovation	/ˌɪnəˈveɪʃən/	The introduction of new ideas, methods, or devices.
Discovery	/dɪsˈkʌvəri/	The process of finding something new or unknown.
Sustainability	/səˌsteɪnəˈbɪləti/	The ability to maintain or improve conditions without harming future generations.
Renewable	/rɪˈnjuːəbl/	Capable of being replenished naturally or without depleting resources.
Efficiency	/ɪˈfɪʃənsi/	The ability to do something in the most effective way with the least waste of resources.
Alternative	/ɔːlˈtɜːnətɪv/	A different option, method, or source, especially for energy or resources.
Breakthrough	/'breɪkθruː/	A significant development or discovery that helps to advance a field.
Innovation Hub	/ˌɪnəˈveɪʃən hʌb/	A place or center where new ideas and technologies are created and developed.
Energy Efficiency	/'enədʒi ɪˈfɪʃənsi/	The goal of using less energy to perform the same task or function.
Carbon Footprint	/'kɑːbən ˈfʊtprɪnt/	The amount of carbon dioxide emitted by an individual or activity, usually measured in units of CO2.
Innovation Ecosystem	/ˌɪnəˈveɪʃən ˈiːkəʊsɪstəm/	A network of people, organizations, and resources that foster innovation.





Discussion

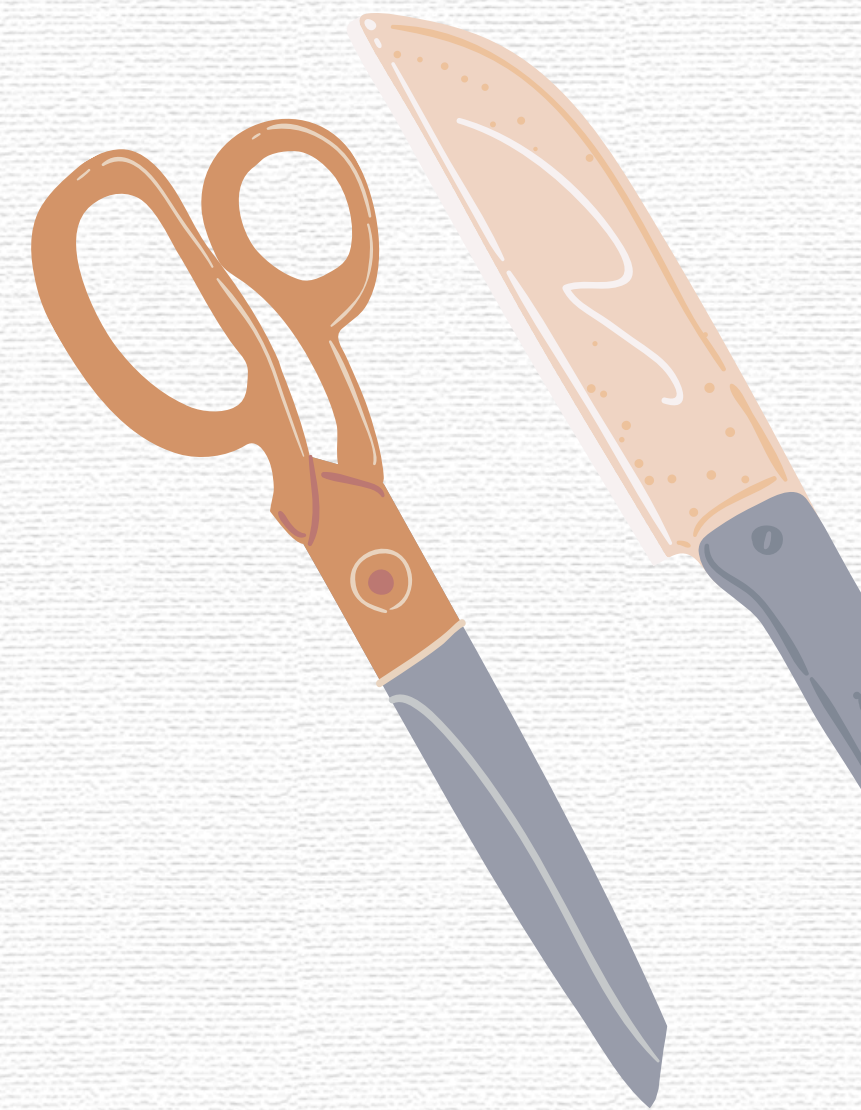


1. How can renewable energy sources help address global environmental issues?
2. What role does innovation play in solving energy crises around the world?
3. How do you think technological advances in energy production will affect future generations?
4. In your opinion, what is the most promising alternative energy source for the future?
5. How can communities work together to solve local energy challenges?
6. Do you think the transition to clean energy is happening quickly enough? Why or why not?
7. How can education contribute to solving energy and environmental issues?
8. In what ways do you think small businesses can contribute to solving large-scale global problems like energy sustainability?
9. What are the challenges faced by entrepreneurs in the energy sector when trying to introduce new products?
10. How does access to clean energy affect the economy and quality of life in developing countries?



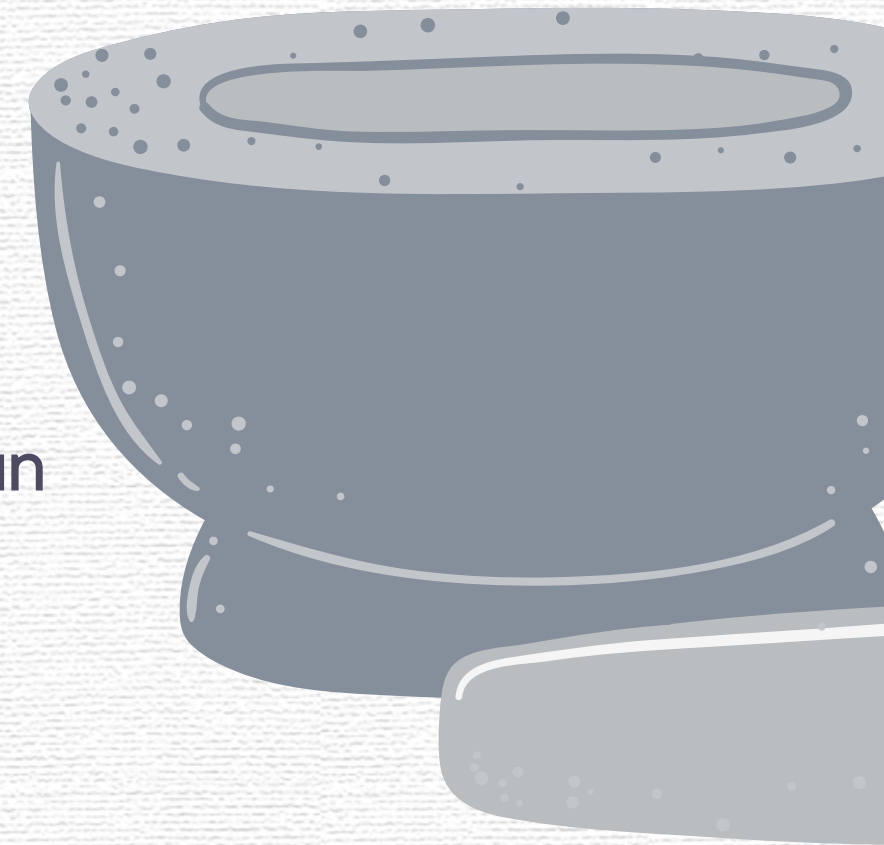
Discussion

1. Should governments invest more in research and development of alternative fuels? Why or why not?
2. How can individuals contribute to reducing energy consumption and promoting sustainability in their daily lives?
3. How do you think social media and global awareness campaigns can help promote clean energy solutions?
4. In your opinion, what is the biggest barrier to making clean energy affordable and accessible to everyone?
5. How can the concept of a "circular economy" contribute to sustainability in the energy sector?



Discussion

1. How do you think energy solutions should differ for urban versus rural communities?
2. In what ways can businesses in the energy sector partner with local communities to create sustainable solutions?
3. How does deforestation impact energy use and environmental stability?
4. What role does women's involvement play in creating sustainable energy solutions, especially in rural areas?
5. How can governments incentivize businesses to invest in clean energy technologies that are both affordable and effective?





**Thank you for
participating!**