THE ENERGY TRILEMMA

When making plans about how we will use energy in the future, there are three main issues we need to think about: security, affordability and sustainability.

Energy security refers to the amount of energy available where and when we want it; not just at the flick of a switch, but in the future too.

- How much do we rely on an energy source for our energy needs?
- Do we use our own energy sources or get them from another country?
- Are power stations able to give us energy when we want and need it?
- Is the energy source renewable or non-renewable (will it run out one day)?

Find the main sources of energy in the word search.

Answers can be upside down, backwards and diagonal so look closely!

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ESSENTIAL READING LINKS

SECURITY

The Main Energy Sources:
https://ourfuture.energy/in-focus/the-main-energy-sources/

Demanding Electricity:
https://ourfuture.energy/in-focus/demanding-electricity/

Surprising Uses of Oil:
https://ourfuture.energy/bright-idea/surprising-uses-of-oil/

ENERGY SOURCES:

BIOMASS OIL

COAL SOLAR

GAS TIDAL

GEOTHERMAL WAVE

HYDRO WIND

NUCLEAR
Can you explain the shape of the graph above?
Hint: Look at the time of day on the horizontal axis.