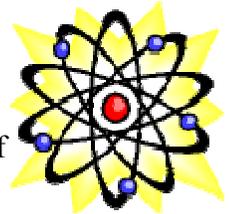
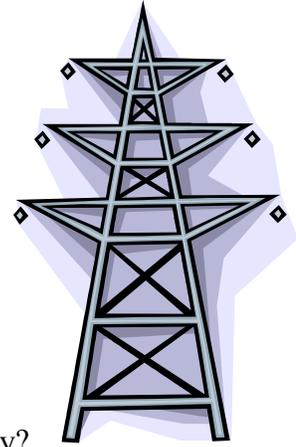


# ENERGY!



Here's a quiz to test your energy knowledge.

- Most of the energy we use originally came from
  - [the sun](#)
  - [the air](#)
  - [the soil](#)
  - [the oceans](#)
- Electrical energy can be produced from
  - [mechanical energy](#)
  - [chemical energy](#)
  - [radiant energy](#)
  - [All of the above](#)
- Which uses the most energy in American homes each year?
  - [lighting](#)
  - [water heating](#)
  - [heating and cooling rooms](#)
  - [refrigeration](#)
- The U.S. consumes lots of energy. Which fuel provides the most energy?
  - [petroleum](#)
  - [coal](#)
  - [natural gas](#)
  - [solar](#)
- Coal, petroleum, natural gas, and propane are fossil fuels. They are called fossil fuels because:
  - [they are burned](#) to release energy and they cause air pollution
  - [they were formed from the buried remains of plants and tiny animals](#) that lived hundred of millions of years ago
  - [they are nonrenewable](#) and will run out
  - [they are mixed with fossils](#) to provide energy
- Gasoline is produced by refining which fossil fuel?
  - [natural gas](#)
  - [coal](#)
  - [petroleum](#)
  - [propane](#)
- Propane is used instead of natural gas on many farms and in rural areas. Why is propane often used instead of natural gas?
  - [it's safer](#)
  - [it's portable](#)
  - [it's cleaner](#)
  - [it's cheaper](#)
- What sector of the U.S. economy consumes most of the nation's petroleum?
  - [residential](#)
  - [commercial](#)
  - [industrial](#)
  - [transportation](#)
- Natural gas is transported mainly by
  - [pipelines](#)
  - [trucks](#)
  - [barges](#)
  - [all three equally](#)
- Global warming focuses on an increase in the level of which gas in the atmosphere?
  - [ozone](#)
  - [sulfur dioxide](#)
  - [carbon dioxide](#)
  - [nitrous oxide](#)
- Solar, biomass, geothermal, wind, and hydropower energy are all renewable sources of energy. They are called renewable because they
  - [are clean and free to use](#)
  - [can be converted directly into heat and electricity](#)
  - [can be replenished by nature in a short period of time](#)
  - [do not produce air pollution](#)
- Today, which renewable energy source provides the U.S. with the most energy?
  - [wind](#)
  - [solar](#)
  - [geothermal](#)
  - [hydropower](#)
- Electricity is the movement of
  - [atoms](#)
  - [molecules](#)
  - [electrical power](#)
  - [neutrons](#)
- How much of the energy in burning coal reaches the consumer as electricity?
  - [1/3](#) (one-third)
  - [1/2](#) (one-half)
  - [3/4](#) (three-quarters)
  - [9/10](#) (nine-tenths)
- In a nuclear power plant, uranium atoms
  - [combine and give off heat energy](#)
  - [split and give off heat energy](#)
  - [burn and give off heat energy](#)
  - [split and give off electrons](#)

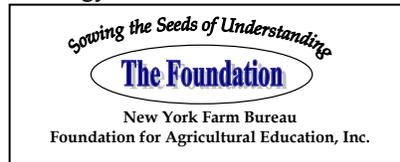


# ENERGY!

Thanks to the Department of Energy for creation of this material which was downloaded from their website.

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## Energy Quiz Answers

- 1) **A** - The energy in [biomass](#), [wind](#), [solar energy](#), and [fossil fuels](#) originally came from the sun.
- 2) **D** - [Electrical energy](#) can be produced from all three: mechanical energy, chemical energy, and radiant energy.
- 3) **C** - [Heating and cooling rooms](#) consumes the most energy in the American home each year.
- 4) **A** - [Petroleum](#) gives the U.S. most of its energy?
- 5) **B** - They are formed from the [buried remains of plants and tiny animals](#) that lived hundreds of millions of years ago, long before the first dinosaur walked the earth.
- 6) **C** - [Petroleum](#).
- 7) **B** - [It's portable](#).
- 8) **D** - [The transportation sector](#) consumes most of the nation's petroleum.
- 9) **A** - [Pipelines](#) transport most of the natural gas.
- 10) **C** - [Carbon dioxide](#) given off by burning fossil fuels is focused on as a contributor to global warming.
- 11) **C** - [Renewable fuels](#) can be replenished by nature in a short period of time.
- 12) **D** - [Hydropower](#) provides more energy than any other renewable fuel source.
- 13) **C** - [Electrical power](#) or electric charge moves to provide electricity.
- 14) **A** - [33% efficiency rating](#).
- 15) **B** - [Uranium atoms split and give off heat energy](#).

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