

SIEMENS

Ingenuity for life



Energy Quiz

Question Book

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Did you know?

Siemens Gamesa designs and builds offshore wind turbines that have a blade length of 100m!

Are you a future energy engineer? Test your knowledge and learn about how we use energy to power the modern world!

Question 1

Power is measured in Watts. What is energy measured in?

Question 2

What is the most common fuel used to power cars in the UK?

Question 3

True or False. Energy cannot be created or destroyed?

Question 4

Which famous scientist developed the equation for energy, $E = mc^2$?

Question 5

Fill in the blanks. Wind turbines convert _____ energy into _____ energy.

Question 6

Unscramble 'otgelemrha' to spell a source of renewable energy.

Question 7

What are the three methods of energy transfer?

Question 8

Which of these materials is not used as biomass:
A: Sugar cane B: Waste metal C: Human waste

Question 9

How do humans get energy to stay alive?

Question 10

Complete the list of the 8 main stores of energy.

- | | |
|------------------|------------|
| 1. Kinetic | 5. |
| 2. | 6. |
| 3. Electrostatic | 7. |
| 4. | 8. Nuclear |

Question 11

What is the name given to finite energy sources such as coal and gas?

Question 12

How much power is consumed on Earth at any given moment?

- A. 1,000,000W B. 100W C. 15,000,000,000,000W

Question 13

Suggest a simple way to save energy around the house?

Question 14

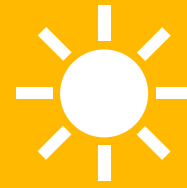
Which of these devices transfers most energy per second:

- A: Mobile phone B: Laptop C: Hoover D: Electric oven.

Question 15

True or false? Solar panels generate more electricity in summer than winter.

Did you know?



Enough sunlight reaches the Earth's surface each minute to satisfy the world's energy demands - for an entire year!



Did you know?

The Ancient Egyptians used hydropower to transfer the kinetic energy from rivers to grind grain!



Score: /15

Discover renewable energy.

Play the Siemens Energy Island interactive game and explore the benefits and challenges of different renewable energies. Scan the QR code and play now!



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