

**SIEMENS**

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# Energy Quiz

Question Book

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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?

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### Question 2

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

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### Question 3

True or False. Energy cannot be created or destroyed?

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### Question 4

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

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### Question 5

Fill in the blanks. Wind turbines convert \_\_\_\_\_ energy into \_\_\_\_\_ energy.

### Question 6

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

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### Question 7

What are the three methods of energy transfer?

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### 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?

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### 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?

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### 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?

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### Question 14

Which of these devices transfers most energy per second:

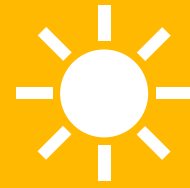
- A: Mobile phone      B: Laptop      C: Hoover      D: Electric oven.

### Question 15

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

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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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