

# Energy Sources

## Question Paper

Course	CIE IGCSE Physics
Section	1. Motion, Forces & Energy
Topic	Energy Sources
Difficulty	Medium

Time Allowed	10
Score	/5
Percentage	/100

### Question 1

Listed below are some energy resources.

**W** wind powering a turbine

**X** water falling through a hydroelectric turbine

**Y** alcohol made from crops which have been grown for burning in a biomass generator

**Z** uranium for nuclear fission reactors

Which of the resources are renewable?

- A.** W, X and Z
- B.** W and X
- C.** W, X and Y
- D.** W, X, Y and Z

[1 mark]

### Question 2

Which statement best describes nuclear fuel as an energy source?

- A.** Reliable & renewable
- B.** Reliable, non-renewable and available for large scale production
- C.** Unreliable, non-renewable and available for large scale production
- D.** Unreliable, renewable & not available for large scale production

[1 mark]

### Question 3

Which statement best describes the differences between solar cells and solar panels?

- A. Solar cells use energy from the sun to heat water and solar panels use energy from the sun to generate electricity
- B. Solar panels use energy from the sun to heat water and solar cells use energy from the sun to generate electricity
- C. Solar cells use the kinetic energy of wind to produce electrical power and solar panels use energy from the sun to heat water
- D. Solar panels use energy from the sun to produce electrical power and solar cells store the excess energy

[1 mark]

### Question 4

What feature do geothermal, hydroelectric and nuclear energy sources share?

- A. Renewable
- B. Can generate large-scale energy
- C. Cause rotation in a generator
- D. Use steam to turn a turbine

[1 mark]

### Question 5

Which statement about nuclear fuel is correct?

- A. Nuclear waste must be stored for decades
- B. Nuclear fusion uses steam to turn a turbine which rotates a generator on a large scale
- C. Nuclear fission provides approximately 70% of the UK's energy
- D. Nuclear waste must be stored for thousands of years

[1 mark]



Head to [www.savemyexams.com](https://www.savemyexams.com) for more awesome resources