

The energy radiated by sun on a bright sunny day is approximately

- (a) 700 W/m²
- (b) 800 W/m²
- (c) 1 kW/m²
- (d) 2 kW/m²

Ans: c

The function of a solar collector is to convert.....

- A. Solar Energy into Electricity
- B. Solar Energy radiation
- C. Solar Energy thermal energy
- D. Solar Energy mechanical energy

✓ View Answer

C.Solar Energy thermal energy

The output of solar cell is of the order of.....

- A. 1 W
- B. 5 W
- C. 10 W
- D. 20 W

✓ [View Answer](#)

A.1 W

Flat plate collector absorbs.....

- A. Direct radiation only
- B. Diffuse radiation only
- C. Direct and diffuse both
- D. All of the above

✓ [View Answer](#)

C.Direct and diffuse both

Photovoltaic cell or solar cell converts.....

- A. Thermal energy into electricity
- B. Electromagnetic radiation directly into electricity
- C. Solar radiation into thermal energy
- D. Solar radiation into kinetic energy

✓ [View Answer](#)

B. Electromagnetic radiation directly into electricity

Temperature attained by a flat-plate collector is of the.....

- A. Order of about 90°C
- B. Range of 100°C to 150°C
- C. Above 150°C
- D. None of the above

✓ [View Answer](#)

A. Order of about 90°C

Solar cells,for power generation,entail the following major disadvantages.....

- A. Variable power
- B. High cost
- C. Lack of availability
- D. Large area requirement

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B.High cost

Which country generate all their electricity using renewable energy?

- (a) Iceland
- (b) England
- (c) USA
- (d) China

Answer: Option **(a)**

Which of the area can often displaces conventional fuel by renewable energy?

- (a) Space heating
- (b) Transportation
- (c) Electricity generation
- (d) All of above

Answer: Option **(d)**

Concentrated solar power (CSP) systems use ____ to focus a large area of sunlight into a small beam.

- (a) Lenses
- (b) Mirrors
- (c) Trackers
- (d) All of above

Answer: Option **(d)**

What is a disadvantage of renewable energy?

- (a) High pollution
- (b) Region specific availability
- (c) High running cost
- (d) Unreliable supply

Answer: Option **(d)**

A Solar cell is an electrical device that converts the energy of light directly into electricity by the _____

- (a) Photovoltaic effect
- (b) Chemical effect
- (c) Atmospheric effect
- (d) Physical effect

Answer: Option **(a)**