

Renewable Energy from Space

Renewable Energy · Practice Test · 10 Questions

1. Which primary celestial body serves as the ultimate source of all renewable energy on Earth?

- A) The Moon
- B) The Sun
- C) Jupiter
- D) Mars

2. What type of renewable energy is captured by using solar panels to collect light from our star?

- A) Wind power
- B) Solar energy
- C) Geothermal energy
- D) Tidal energy

3. How do satellites orbiting the Earth generate the electricity they need to function?

- A) Solar arrays
- B) Large batteries
- C) Wind turbines
- D) Burning coal

4. The heat generated by the Earth's core, which provides geothermal energy, was primarily formed during what event?

- A) The Earth's formation
- B) A solar storm
- C) The lunar eclipse
- D) The Big Bang

5. Wind is created on Earth by the uneven heating of the atmosphere by which celestial body?

- A) The Sun
- B) The Moon
- C) Venus
- D) Saturn

6. Which form of renewable energy is generated by the gravitational pull of the Moon on Earth's oceans?

- A) Solar power
- B) Tidal energy
- C) Hydroelectric power
- D) Biomass

7. What is the name of the process that powers the Sun, which scientists hope to replicate on Earth for clean energy?

- A) Nuclear fission
- B) Nuclear fusion
- C) Chemical combustion
- D) Photosynthesis

8. Approximately how many minutes does it take for light from the Sun to reach the Earth to provide solar energy?

- A) 8 minutes
- B) 1 hour
- C) 24 hours
- D) 10 seconds

9. Which celestial phenomenon causes the tides, allowing humans to harness tidal energy?

- A) The rotation of Mars
- B) The Moon's gravity
- C) Solar flares
- D) Meteor showers

10. Plants on Earth convert solar energy into chemical energy through a process that relies on light from which star?

- A) The Sun
- B) Polaris
- C) Sirius
- D) Betelgeuse