

Question 1:

Define renewable energy and provide three examples.

Student Answer:

Renewable energy is energy that is generated from natural processes that are not depleted.

Examples: wind, solar, and geothermal energy.

Question 2:

Explain the greenhouse effect and how it contributes to global warming.

Student Answer:

The greenhouse effect happens when gases trap heat in the atmosphere, making the Earth warmer.

This causes global temperatures to rise and is a reason for global warming.

Question 3:

List two advantages and two disadvantages of using electric vehicles.

Student Answer:

Advantages:

1. Reduces air pollution.
2. Saves money on fuel.

Disadvantages:

3. Batteries take too long to charge.
4. Not enough charging stations available.