

Question 1:

Define renewable energy and provide three examples.

Reference Answer:

Renewable energy comes from natural sources that are constantly replenished. Examples include:

1. Solar energy.
2. Wind energy.
3. Hydropower.

Question 2:

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

Reference Answer:

The greenhouse effect is the trapping of the sun's heat in the Earth's atmosphere by gases like carbon dioxide. This leads to an increase in global temperatures, contributing to global warming.

Question 3:

List two advantages and two disadvantages of using electric vehicles.

Reference Answer:

Advantages:

1. Reduced carbon emissions.
2. Lower fuel costs.

Disadvantages:

3. Limited range compared to traditional vehicles.
4. Long charging times.