

Unit 2 - Week 1

Course outline

How to access the portal

Week 1

- Introduction and Planet Equivalent
- Basics of Carbon Cycle
- Factors Affecting carbon Cycle
- Fundamentals of Sustainability
- PDF File

Quiz : Week 1 : Assignment 1

Feedback Form

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

Solution of Assignment

Week 1 : Assignment 1

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-08-14, 23:59 IST.

1) The ecological footprint measures:

2 points

- Quantity of resources and waste
- Speed of consumption of resources and waste generation
- Biologically productive land required to absorb the waste produced in the process
- Human population density in various land areas

No, the answer is incorrect.
Score: 0

Accepted Answers:

Speed of consumption of resources and waste generation

Biologically productive land required to absorb the waste produced in the process

2) Ecological footprint of a country is measured in?

2 points

- Million acres
- Million hectares
- Global hectares
- Global acres

No, the answer is incorrect.
Score: 0

Accepted Answers:

Global hectares

3) Global hectare is a productivity weighted area used to report

2 points

- Biocapacity of the earth
- Demand on biocapacity
- Ecological footprint
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:

All of the above

4) A cropland would occupy a much smaller biocapacity compared to a pasture land. True or false?

2 points

- TRUE
- FALSE

No, the answer is incorrect.
Score: 0

Accepted Answers:

TRUE

5) Since the total land and water areas across planet earth remains constant with time, the biocapacity of planet earth is a constant value with no changes from year to year.

0 points

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:

True

6) Considering 10 billion hectares of biologically productive land and water for a given year and the corresponding population of 5 billion people, calculate the planet equivalent for that year.

2 points

- 1.87 gha per person
- 1.96 gha per person
- 2.21 gha per person
- 2 gha per person

No, the answer is incorrect.
Score: 0

Accepted Answers:

2 gha per person

7) Earth's natural system doesn't consist of

2 points

- Flows
- Balance
- Connectors
- Cycles

No, the answer is incorrect.
Score: 0

Accepted Answers:

Connectors

8) Which of the following is the major contributor to carbon emission?

2 points

- Electricity generation
- Vehicular emissions
- Agriculture
- Residential use

No, the answer is incorrect.
Score: 0

Accepted Answers:

Electricity generation

9) The theory of Biomimicry states that in a cyclic flow there is

2 points

- No scope for reuse of material
- Waste of material
- All material is reused in another form
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:

All material is reused in another form

10) Some of the major impacts of inefficient techno-processes are

2 points

- Water shortage
- Climate change
- Loss of biodiversity
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:

All of the above