SUSTAINABLE ECOSYSTEMS AND COMMUNITIES - PRACTICE TEST | NEW BRUNSWICK ENVIRONMENTAL SCIENCE 120 · UNIT D · 25 QUESTIONS

Sustainable Ecosystems and Communities — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A community uses 1000 kilowatt hours and saves 20 percent by efficiency. The saving is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A solar panel produces 300 watts for 5 hours. The energy in watt hours is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A wind turbine produces 2000 watts for 10 hours. The energy in kilowatt hours is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A household reduces waste from 100 kilograms to 60 kilograms. The reduction in percent is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A town recycles 400 of 1000 tonnes of waste. The recycling rate in percent is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A green roof reduces cooling energy by 25 percent. From 800 units the saving is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A bus carries 40 passengers and a car carries 4. The bus carries how many times as many people**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A community garden produces 500 kilograms of food on 100 square metres. The yield per m² in kilograms is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A rain barrel collects 200 litres from a storm. Four barrels collect litres of**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A LED bulb uses 10 watts instead of 60 watts. The saving in watts is**

ANSWER _____

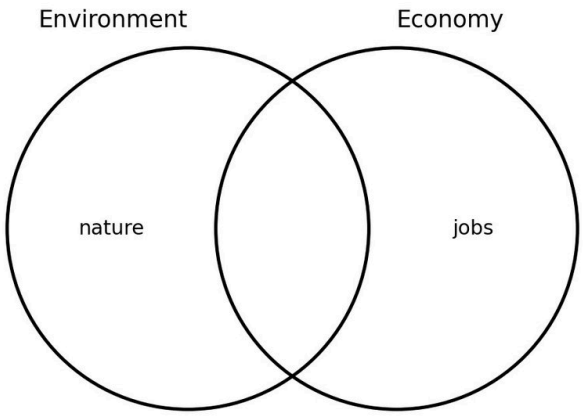
Understand It with Pulse | Flag a mistake

11 **A compost program diverts 300 kilograms per month. In 12 months the diversion in kilograms is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **The diagram shows environment, economy and society overlapping. The shared centre is**



Question 12

The diagram shows environment, economy and society overlapping. The shared centre is

A) sustainability

B) profit

C) growth

D) conservation only

A sustainability

B profit

C growth

D conservation only

Understand It with Pulse

Flag a mistake

13 **Sustainable communities balance environment, economy and**

A technology

B society

C population

D industry only

Understand It with Pulse | Flag a mistake

14 **Public transit reduces emissions per passenger compared with**

A walking

B cycling

C private cars

D trains only

Understand It with Pulse | Flag a mistake

15 **Local food reduces transport emissions and supports local**

A factories

B imports

C retailers

D farmers

Understand It with Pulse | Flag a mistake

16 **Green building design uses insulation and natural light to reduce**

A energy use

B construction cost

C building size

D occupancy

Understand It with Pulse | Flag a mistake

17 **Wetlands are protected because they filter water and control**

A erosion only

B flooding

C drought only

D wildlife only

Understand It with Pulse | Flag a mistake

18 **Protected areas conserve biodiversity by limiting**

A visitors

B research

C harmful activity

D education

Understand It with Pulse | Flag a mistake

19 **Environmental stewardship means caring for resources for**

A present profit

B current users only

C industry

D future generations

Understand It with Pulse | Flag a mistake

20 **Community action is effective when residents participate in**

A decisions

B funding only

C planning only

D voting only

Understand It with Pulse | Flag a mistake

21 **A sustainable fishery avoids overfishing by setting**

A higher prices

B catch limits

C larger boats

D more nets

Understand It with Pulse | Flag a mistake

22 **Reforestation restores forests by planting**

A crops

B grass

C trees

D shrubs only

Understand It with Pulse | Flag a mistake

23 **A circular economy keeps materials in use by reusing and**

A burning

B burying

C exporting

D recycling

Understand It with Pulse | Flag a mistake

24 **Energy conservation differs from energy efficiency because conservation means using**

A less energy

B more energy

C better technology

D renewable energy

Understand It with Pulse | Flag a mistake

25 **Indigenous knowledge contributes to sustainability through long term observation of**

A global markets

B local ecosystems

C technology

D policy

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 200
2. 1500
3. 20
4. 40
5. 40
6. 200
7. 10
8. 5
9. 800
10. 50
11. 3600
12. A
13. B
14. C
15. D
16. A
17. B
18. C
19. D
20. A
21. B
22. C
23. D
24. A
25. B

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