PRINCE EDWARD ISLAND ENVIRONMENTAL SCIENCE 12 · UNIT E

Natural Resources and Sustainability — Practice Test

Prince Edward Island Environmental Science 12 • 25 questions

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 household uses 300 litres of water per day and cuts use by 20 percent. The new daily use in litres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A farm produces 4000 kilograms of grain using 2000 litres of water per 1000 kilograms. The water used in litres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A renewable resource is one that is**

A replenished naturally on a human timescale

B never used up in any sense

C found only underground

D always unlimited

Understand It with Pulse | Flag a mistake

5 **A nonrenewable resource is one that is**

A never depleted

B always recycled

C found everywhere

D used faster than it is replenished

Understand It with Pulse | Flag a mistake

6

Fossil fuels are nonrenewable because they form over

A months

B a single season

C millions of years

D days

Understand It with Pulse | Flag a mistake

7

Sustainable use of a forest means harvesting at a rate

A without replanting

B no greater than regrowth

C greater than regrowth

D as fast as possible

Understand It with Pulse | Flag a mistake

8 **Recycling reduces demand for**

A virgin raw materials

B energy only

C labour only

D transport only

Understand It with Pulse | Flag a mistake

9 **An ecological footprint estimates the land and water area needed to**

A grow one crop

B build one house

C count species

D support a lifestyle

Understand It with Pulse | Flag a mistake

10 **Water conservation includes fixing leaks and using**

A larger lawns

B longer showers

C efficient fixtures

D more water

Understand It with Pulse | Flag a mistake

11 **Soil conservation practices include crop rotation and**

A monoculture only

B cover crops

C clear cutting

D overgrazing

Understand It with Pulse | Flag a mistake

12 **Sustainable agriculture aims to maintain productivity while protecting**

A soil, water and biodiversity

B yield only

C profit only

D machinery

Understand It with Pulse | Flag a mistake

13 **A protected watershed helps to maintain**

A timber harvest

B mining

C urban growth

D clean water supply

Understand It with Pulse | Flag a mistake

14 **A community recycles 70 percent of 2000 kilograms of waste. The recycled mass in kilograms is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **A forest grows 500 m³ per year and 400 m³ are harvested. The net growth in m³ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **A wind turbine produces 2000 watts for 10 hours. The energy in watt hours is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **A household cuts electricity use from 1000 to 800 kilowatt hours per month. The percent reduction is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A mine extracts 10000 tonnes of ore with 10 percent usable metal. The metal mass in tonnes is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A farm uses 6000 litres of water per day and saves 25 percent. The litres saved per day are**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A city composts 30 percent of 3000 kilograms of organic waste. The composted mass in kilograms is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **A solar array of 10 panels each producing 250 watts produces this many watts in total**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A household uses 400 litres of water per day and cuts use by 25 percent. The new daily use in litres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A solar panel produces 400 watts for 6 hours. The energy in watt hours is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A forest grows 1000 m³ per year and 700 m³ are harvested. The net growth in m³ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **A community recycles 80 percent of 1500 kilograms of waste. The recycled mass in kilograms is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 240
2. 8000
3. 1500
4. A
5. D
6. C
7. B
8. A
9. D
10. C
11. B
12. A
13. D
14. 1400
15. 100
16. 20000
17. 20
18. 1000
19. 1500
20. 900
21. 2500
22. 300
23. 2400
24. 300
25. 1200

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