MANITOBA SCIENCE 20F · UNIT D · 25 QUESTIONS

Weather Dynamics — 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 slope rises 100 units over a run of 20 units. Its gradient is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A sample has 30 parts out of 100 in total. The percent is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The mean of temperatures 9, 11, 13, and 15 degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A temperature of 25 degrees Celsius converts to Fahrenheit as**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **On a map, 1 unit represents 15 units in real life. A map distance of 3 represents a real distance of**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A region has population 10000 and area 50 units². Its population density is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A slope rises 100 units over a run of 10 units. Its gradient is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A sample has 10 parts out of 100 in total. The percent is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The mean of temperatures 7, 9, 11, and 13 degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A temperature of 15 degrees Celsius converts to Fahrenheit as**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **On a map, 1 unit represents 45 units in real life. A map distance of 9 represents a real distance of**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **A region has population 6000 and area 30 units². Its population density is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **A sample has 70 parts out of 100 in total. The percent is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **The mean of temperatures 5, 7, 9, and 11 degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **A temperature of 5 degrees Celsius converts to Fahrenheit as**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The maintenance of a stable internal environment is**

A photosynthesis

B fermentation

C osmosis

D homeostasis

Understand It with Pulse | Flag a mistake

17 **The movement of water across a partially permeable membrane is**

A osmosis

B diffusion

C active transport

D photosynthesis

Understand It with Pulse | Flag a mistake

18 **The organ that pumps blood around the body is the**

A liver

B heart

C lung

D kidney

Understand It with Pulse | Flag a mistake

19 **The organ where oxygen enters the blood is the**

A heart

B liver

C lung

D stomach

Understand It with Pulse | Flag a mistake

20 **The chemical symbol for water is**

- A CO_2
- B O_2
- C NaCl
- D H_2O

Understand It with Pulse | Flag a mistake

21 **The chemical symbol for carbon dioxide is**

- A CO_2
- B H_2O
- C O_2
- D CO

Understand It with Pulse | Flag a mistake

22 **The gas plants absorb from the air for photosynthesis is**

A oxygen

B carbon dioxide

C nitrogen

D hydrogen

Understand It with Pulse | Flag a mistake

23 **The gas released by plants during photosynthesis is**

A carbon dioxide

B nitrogen

C oxygen

D hydrogen

Understand It with Pulse | Flag a mistake

24 **An acid has a pH that is**

A equal to 7

B greater than 7

C equal to 14

D less than 7

Understand It with Pulse | Flag a mistake

25 **A neutral solution has a pH of**

A 7

B 0

C 14

D 1

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	5	**10.**	59	**19.**	C
2.	30	**11.**	405	**20.**	D
3.	12	**12.**	200	**21.**	A
4.	77	**13.**	70	**22.**	B
5.	45	**14.**	8	**23.**	C
6.	200	**15.**	41	**24.**	D
7.	10	**16.**	D	**25.**	A
8.	10	**17.**	A		
9.	10	**18.**	B		

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