NOVA SCOTIA BIOLOGY 12 · UNIT A

Maintaining Dynamic Equilibrium II — Practice Test

Nova Scotia Biology 12 • 10 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 nerve impulse travels 120 metres in 1 seconds. The speed of the impulse, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A kidney filters 100 litres of fluid in a day and reabsorbs 99 percent of it. The volume of urine produced, in litres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A kidney filters 180 litres of fluid in a day and reabsorbs 98 percent of it. The volume of urine produced, in litres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A hormone sample starts at 64 units. After 2 half lives the amount remaining, in units, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A hormone sample starts at 200 units. After 3 half lives the amount remaining, in units, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A plant sample has a mass of 60 grams. After absorbing water its mass is 75 grams. The percent increase in mass is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A plant sample has a mass of 200 grams. After absorbing water its mass is 220 grams. The percent increase in mass is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Myelin around an axon serves to**

A speed up the impulse

B slow down the impulse

C produce hormones

D store energy

Understand It with Pulse | Flag a mistake

9 **Insulin is produced by the**

A liver

B pancreas

C kidney

D adrenal gland

Understand It with Pulse | Flag a mistake

10 **When blood glucose rises, insulin causes cells to**

A release more glucose

B stop using glucose

C take up more glucose

D produce glucagon

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	120	**5.**	25	**9.**	B
2.	1	**6.**	25	**10.**	C
3.	3.6	**7.**	10		
4.	16	**8.**	A		

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