PRINCE EDWARD ISLAND BIOLOGY 12 · UNIT D

Evolution — Practice Test

Prince Edward Island 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 **Punctuated equilibrium proposes long stability interrupted by**

- A slow steady change
- B extinction only
- C migration
- D rapid change

Understand It with Pulse | Flag a mistake

2 **Molecular evidence for evolution includes comparing**

A bone sizes only

B behaviour only

C DNA and protein sequences between species

D fossil colours

Understand It with Pulse | Flag a mistake

3 **Artificial selection is selection by**

A disease only

B humans

C predators

D climate

Understand It with Pulse | Flag a mistake

4 **In a gene pool of 400 alleles, 100 are the A allele. The percent of A alleles is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A species has a generation time of 10 years. The generations in 150 years number**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A population of 2000 bacteria is treated with an antibiotic that kills 98 percent. The survivors number**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **If allele frequency p = 0.7 , then p^2 as a decimal is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A population of 400 grows by 10 percent each year for 2 years. The population after 2 years is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A fossil sample starts with 320 grams of an isotope. After 3 half lives the mass in grams is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **If allele frequencies are 0.8 and 0.2, the heterozygote frequency 2pq as a decimal is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	D	**5.**	15	**9.**	40
2.	C	**6.**	40	**10.**	0.32
3.	B	**7.**	0.49		
4.	25	**8.**	484		

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