PRINCE EDWARD ISLAND BIOLOGY 12 · UNIT E

Biodiversity — Practice Test

Prince Edward Island Biology 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 **An area has 1000 species in total and 125 are birds. The percent that are birds is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A reserve protects 40 of 200 known sites. The percent protected is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A survey finds 5 mammals, 10 birds and 15 insects. The total species count is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Biodiversity refers to**

A variety of life at genetic, species and ecosystem levels

B number of mammals only

C size of a population

D age of a forest

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5 **The most specific taxonomic rank is**

A genus

B family

C kingdom

D species

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6 **The broadest taxonomic rank listed here is**

- A family
- B species
- C kingdom
- D genus

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7 **Binomial nomenclature gives each species a**

- A kingdom and phylum name
- B genus and species name
- C family and order name
- D common name only

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8

A keystone species has an effect

A disproportionate to its abundance

B equal to its abundance

C only on its own population

D only in winter

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9

Habitat loss is a leading cause of

A increased diversity

B speciation

C stable populations

D species decline

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10 **An endemic species is found**

A in zoos only

B in oceans only

C only in one geographic area

D on every continent

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11 **An invasive species is a non native species that**

A is always a predator

B harms its new ecosystem

C increases native diversity

D never reproduces

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12 **A protected area aims to**

A conserve species and habitats

B increase harvesting

C remove all predators

D allow development

Understand It with Pulse | Flag a mistake

13 **Genetic diversity within a species helps it to**

A stay identical

B avoid mutation

C reduce variation

D adapt to change

Understand It with Pulse | Flag a mistake

14 **A forest has 250 tree species and 50 are conifers. The percent conifer is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **A wetland has 120 bird species. If 30 percent migrate, the migrating count is**

ANSWER _____

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16 **A park lists 45 mammals and 55 reptiles. The total vertebrate species listed, excluding other groups, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **If 200 species are surveyed and 25 percent are insects, the insect count is**

ANSWER _____

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18 **A region loses 10 of 50 native fish species. The percent lost is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A seed bank stores 400 varieties. If 75 percent germinate in a test, the germinating count is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A survey counts 18 orchids out of 90 flowering plants. The percent orchid is**

ANSWER _____

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21 **An island has 60 endemic species out of 300 total species. The percent endemic is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A reserve protects 30 of 150 known sites. The percent protected is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A survey finds 12 mammals, 18 birds and 20 insects. The total species count is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **If 300 species are surveyed and 10 percent are amphibians, the amphibian count is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **A forest has 500 tree species and 125 are conifers. The percent conifer is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	12.5	**10.**	C	**19.**	300
2.	20	**11.**	B	**20.**	20
3.	30	**12.**	A	**21.**	20
4.	A	**13.**	D	**22.**	20
5.	D	**14.**	20	**23.**	50
6.	C	**15.**	36	**24.**	30
7.	B	**16.**	100	**25.**	25
8.	A	**17.**	50		
9.	D	**18.**	20		

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