NOVA SCOTIA BIOLOGY 11 · UNIT B · 25 QUESTIONS

# Biodiversity — 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 sample has 60 organisms divided into 5 equal groups. The number in each group is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A sample has 84 organisms divided into 7 equal groups. The number in each group is**

ANSWER _____

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3 **A key has 5 pairs of choices and a student follows 4 of them. The choices remaining are**

ANSWER _____

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4 **Binomial nomenclature gives each species a name with**

A two parts, genus and species

B one part only

C three parts always

D four parts always

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5 **The broadest level of classification listed here is the**

A genus

B domain

C species

D family

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6

## A dichotomous key works by offering

A ten choices at each step

B one choice only

C two choices at each step

D no choices

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7

## Biodiversity means the variety of

A rocks only

B climates only

C soils only

D genes, species and ecosystems

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8 **A species is a group of organisms that can**

A interbreed and produce fertile offspring

B live anywhere

C eat any food

D never change

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9 **Prokaryotic cells lack a**

A cell membrane

B membrane-bound nucleus

C cytoplasm

D ribosome

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10 **Fungi obtain food by**

A photosynthesis

B eating only animals

C absorbing nutrients from their surroundings

D making food from rock

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11 **Plants are different from animals because plants can**

A move quickly

B eat other organisms

C live without water

D make their own food by photosynthesis

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12 **An adaptation is a trait that**

A helps an organism survive in its environment

B harms every organism

C appears for one day only

D is learned in school

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13 **The kingdom that includes mushrooms and yeasts is**

A Plantae

B Fungi

C Animalia

D Protista

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14 **Vertebrates are animals that have a**

A shell only

B six legs

C backbone

D chloroplast

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15 **Bacteria belong to the group called**

A eukaryotes only

B plants

C animals

D prokaryotes

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16 **A genus groups together closely related**

A species

B kingdoms

C domains

D ecosystems

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17 **Insects, spiders and crabs belong to the group called**

A molluscs

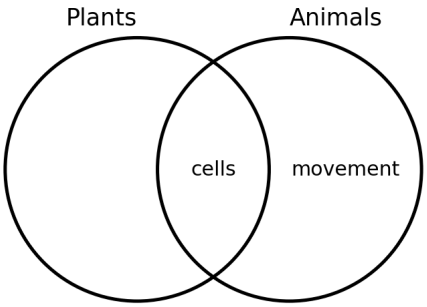
B arthropods

C annelids

D cnidarians

Understand It with Pulse | Flag a mistake

**18** **A Venn diagram of plants and animals would place photosynthesis in the**




A animals only region

B shared region

C plants only region

D outside region

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19 **Loss of habitat usually causes biodiversity to**

A increase

B stay the same

C double

D decrease

Understand It with Pulse | Flag a mistake

20 **Taxonomy is the science of**

A naming and classifying organisms

B counting populations

C studying rocks

D measuring climates

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**21** **The correct order from broad to specific is**

- A domain, kingdom, phylum, class
- B species, genus, family, order
- C class, phylum, kingdom, domain
- D genus, domain, kingdom, species

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**22** **A mammal is distinguished by**

- A feathers
- B hair and mammary glands
- C scales only
- D gills as an adult

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**23** **Amphibians typically live**

- A only in deserts
- B only in oceans
- C in water as larvae and on land as adults
- D only in trees

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**24** **A field study counts 56 birds in 7 equal plots. The average per plot is**

ANSWER _____

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**25** **A field study counts 90 birds in 10 equal plots. The average per plot is**

ANSWER _____

Understand It with Pulse | Flag a mistake

# ANSWER KEY

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

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