NOVA SCOTIA BIOLOGY 11 · UNIT B

Biodiversity — Practice Test

Nova Scotia Biology 11 • 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 **Community A has 40 robins, 40 sparrows and 40 finches. Community B has 100 robins, 10 sparrows and 10 finches. Both have 3 species and 120 birds. Which community is more biodiverse, and why?**

- **A** Community A, because the individuals are spread more evenly among the species
- **B** Community B, because it has more robins
- **C** They are equally diverse, because they have the same number of species
- **D** Community B, because it has fewer sparrows

Understand It with Pulse | Flag a mistake

2 **A survey finds 15 species in one pond and 9 in another. The total species counted is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Classification today also uses evidence from**

- A colour only
- B DNA
- C size only
- D habitat only

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4 **A collection has 24 specimens sorted into 4 groups. The number per group is**

ANSWER _____

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5 **Zebra mussels spread through a lake and outcompete native mussels for food and space. This is an example of**

- A an invasive species reducing biodiversity
- B a keystone species increasing biodiversity
- C speciation creating a new species
- D a climax community forming

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6 **A virus differs from a cell because a virus**

- A has a nucleus
- B makes its own food
- C is not made of cells
- D is a kingdom

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7 **A survey counts species in three ponds:**

Pond 1: 15 species

Pond 2: 9 species

Pond 3: 15 species

Which pond(s) have the greatest species richness?

- **A** Pond 1 and Pond 3
- **B** Pond 2
- **C** Pond 1 only
- **D** All three equally

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8 **A key has 7 pairs of choices and a student follows 2 of them. The choices remaining are**

ANSWER _____

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9 **A key starts with 12 possible species and eliminates 5. The species remaining are**

ANSWER

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10 **A wetland of 200 hectares loses 60 hectares to development. What percentage of the wetland remains?**

ANSWER

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ANSWER KEY

1.	A	**5.**	A	**9.**	7
2.	24	**6.**	C	**10.**	70
3.	B	**7.**	A		
4.	6	**8.**	5		

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