

## B3.2 Pre-Test

1. Which is the best definition of an ecosystem?

[1]

Tick (✓) **one** box.

- (a) The place where an organism lives
- (b) The interaction of a community of organisms with the non-living parts of their habitat
- (c) The relationships between animals that can be represented using a food chain

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2. What resources do animals compete for?

[1]

Tick (✓) **one** box.

- (a) Light, water and space
- (b) Space, mates and food
- (c) Food and water

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3. Which of these is always the first stage of a food chain?

[1]

Tick (✓) **one** box.

- (a) Producer
- (b) Consumer
- (c) Herbivore

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4. What do plants need to be able to photosynthesise?

[1]

Tick (✓) **one** box.

- (a) Light and water
- (b) Oxygen and glucose
- (c) Light, water and carbon dioxide

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5. Which is the correct definition of a population? [1]

Tick (✓) **one** box.

(a) A group of organisms of the same species

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(b) A group of animals in a specific habitat

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(c) A group of different species in the same habitat

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6. Which of these is a biotic factor? [1]

Tick (✓) **one** box.

(a) Temperature

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(b) Food availability

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(c) Water availability

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7. Which method of sampling would be used to estimate the number of daisies in a field? [1]

Tick (✓) **one** box.

(a) Random sampling

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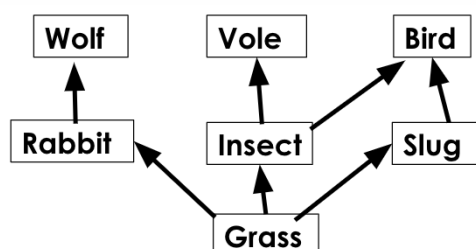
(b) Systematic sampling

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(c) Using a quadrat

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Use the following food web to help you answer Q8 – Q10.



8. Which term could be used to describe the rabbit? [1]

Tick (✓) **one** box.

(a) Secondary consumer

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(b) Predator

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(c) Herbivore

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9. Which of these species could be described as a primary consumer? [1]

Tick (✓) **one** box.

(a) Wolf

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(b) Grass

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(c) Slug

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10. A new disease has affected the rabbit population. Which of these could be a consequence of this? [1]

Tick (✓) **one** box.

(a) The population of wolves would increase

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(b) The population of wolves would decrease

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(c) The biomass of grass would decrease

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**Total = \_\_\_\_ /10**