



## 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

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

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

[1]

Tick () **one** box.

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

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

5. Which is the correct definition of a population? [1]  
Tick () **one** box.
- (a) A group of organisms of the same species
  - (b) A group of animals in a specific habitat
  - (c) A group of different species in the same habitat

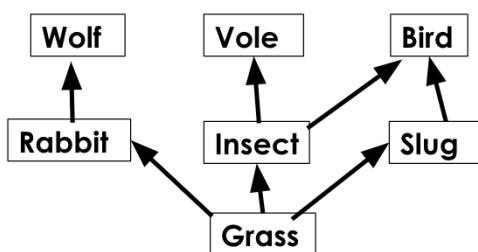
6. Which of these is a biotic factor? [1]  
Tick () **one** box.
- (a) Temperature
  - (b) Food availability
  - (c) Water availability

7. Which method of sampling would be used to estimate the number of daisies in a field? [1]  
Tick () **one** box.
- (a) Random sampling
  - (b) Systematic sampling
  - (c) Using a quadrat

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
  - (b) Predator
  - (c) Herbivore



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

Tick () **one** box.

(a) Wolf

(b) Grass

(c) Slug

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

(b) The population of wolves would decrease

(c) The biomass of grass would decrease

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