

## Quiz questions - ecology

1. A 'habitat' is:
  - A. A place to buy furniture and furnishings
  - B. The same as an ecosystem
  - C. A particular area inhabited by plants and animals
  - D. The number of different organisms living in a specific area

C. A particular area inhabited by plants and animals
2. How an organism is suited to live in a particular place is called:
  - A. Competition
  - B. Adaptation
  - C. Addition
  - D. Participation

B. Adaptation
3. 'Biodiversity' is described as:
  - A. The range of different species in an environment
  - B. The seasonal and daily changes in an environment
  - C. The way species differ from one another
  - D. The influence of physical factors on an environment

A. The range of different species in an environment
4. Which of these is a correct food chain?
  - A. Fish→chips→peas
  - B. Man→cow→grass
  - C. Cow→farm→supermarket
  - D. Grass→cow→man

D. Grass→cow→man
5. The arrows in a food chain show:
  - A. Who eats who
  - B. The route of food to the shops
  - C. The movement of energy between organisms
  - D. Where you need to go to get a meal

C. The movement of energy between organisms

6. All the energy in a food chain originates from:
- A. A plant
  - B. The farmer
  - C. The Sun
  - D. An electric socket
- C. The Sun
7. In the 1960's myxomatosis was 'accidentally' released killing approximately 90% of rabbits in the UK. What happened in the food chain below?
- Carrots→rabbits→foxes
- A. The number of carrots increased
  - B. The number of foxes increased
  - C. The number of carrots decreased and the number of foxes increased
  - D. The number of carrots increased and the number of foxes decreased
- D. The number of carrots increases and the number of foxes decreases
8. Rabbits are important grazers, maintaining some important grassland habitats. If another catastrophe were to reduce rabbit populations what would happen?
- A. Important grassland butterflies would be lost
  - B. There would be more grass for the surviving rabbits
  - C. The grassland would be invaded by trees and shrubs
  - D. All of the above
- D. All of the above
9. A food web:
- A. Is made by a spider
  - B. Shows how feeding relationships are interlinked
  - C. Shows the number of organisms in a habitat
  - D. Only shows important animals
- B. Shows how feeding relationships are interlinked
10. Which of these are **not** competed for by plants?
- A. Light
  - B. Minerals
  - C. Warmth
  - D. Water
- C. Warmth

11. Weeds compete with crops for resources. Farmers can get rid of weeds by using:
- A. Insecticide
  - B. Fungicide
  - C. Herbicide
  - D. Rodenticide
- C. Herbicide
12. Which of the following statements about pesticides is true?
- A. Spraying pesticides only affects the farmer's crops
  - B. There do not affect food chains
  - C. Without pesticides farmers could not grow crops
  - D. Pesticides can end up in rivers and streams
- D. Pesticides can end up in rivers and streams
13. Many pesticides are stored in an animal's body fat.  
If a pesticide got into a lake, which organism would have the highest level?
- A. Osprey
  - B. Fish
  - C. Microscopic animals
  - D. Microscopic plants
- [microscopic → microscopic → fish → osprey]  
plants                      animals
- A. Osprey
14. What do farmers using modern farming techniques rely on to ensure maximum crop yields?
- A. Pesticides
  - B. Fertilisers
  - C. Pesticides and fertilisers
  - D. Large machinery
- C. Pesticides and fertilisers
15. Fertilisers can be washed into rivers by the rain. This can cause:
- A. Bioaccumulation
  - B. Eutrophication
  - C. Biodegradation
  - D. Spontaneous combustion
- B. Eutrophication

16. Organic food is supposed to be better for you because:
- A. It relies on chemicals to improve the flavour
  - B. It is more expensive to buy
  - C. It is all grown in glasshouses, keeping it clean of environmental pollutants
  - D. It is grown without the use of artificial fertilisers and pesticides
- D. It is grown without the use of artificial fertilisers and pesticides
17. The biggest impacts are made on the environment by:
- A. The migration of organisms
  - B. Predation
  - C. Human interference
  - D. Competition
- C. Human interference
18. Sustainable development is:
- A. New building work to maintain jobs
  - B. Just a phrase used by environmentalists
  - C. Typical 21<sup>st</sup> century farming methods
  - D. Improving the lives of today's people, without damaging the quality of life of future generations
- D. Improving the lives of people now, without damaging the quality of life of future generations
19. Farming crises and food scares arise because:
- A. Animals are dirty
  - B. Some people don't cook their food properly
  - C. Man has interfered too much with natural food production
  - D. We eat too much fast food
- C. Man has interfered too much with natural food production
20. The Rio declaration on the Environment and development and Agenda 21 encouraged people to:
- A. Act local, think global
  - B. Act global, think local
  - C. Act as we are, think as we do
  - D. Not worry, the earth will go on forever
- A. Act local, think global