

Putting it all together

Summing up

Copy and complete the statements below to compile a summary of this unit. The missing words can be found in the list below.

1. The presence of available food, predators and competitors are all _____ factors.
2. Sheep, cattle rabbits and kangaroos all _____ with each other for food.
3. A _____ describes where an organism lives.
4. The sum of all the biotic and abiotic things that interact with each other is called an _____.
5. A characteristic of an organism that enhances its chances of survival is called an _____.
6. A feature of an organism that involves how its body works is called a _____.
7. A fungus and an alga living together as a lichen is a very good example of _____.
8. A _____ feeds on its host but does not usually kill it.
9. Most fungi are _____ because they live on decaying plant matter.
10. Domestic animals that have escaped and become wild are said to be _____.
11. All animals are described as _____ because they eat other organisms or their products.
12. The arrows in a food chain show the direction of the flow of _____ from organism to organism.
13. Once energy has passed through the food web, it is transformed into thermal energy which _____ the environment and radiates out into space.
14. Atoms are continuously _____ through living organisms and the non-living environment.
15. Carbon is found in carbohydrates, proteins and _____ in food.
16. Nitrogen is essential to all forms of life because it is used to make _____.
17. Nitrogen-fixing _____ are the only forms of life that can put nitrogen in a form that plants, and thus animals, can use.
18. _____ are the organisms which are responsible for converting dead material into a form which can be absorbed by plant life and remade into food.
19. _____ species are those that are very small in number or close to extinction.

Word list

feral	habitat	compete	ecosystem
proteins	consumers	decomposers	mutualism
heats	recycled	adaptation	fats
energy	functional adaptation	biotic	bacteria
endangered	parasite	saprophytes	

Looking back

1. Redraw the table below to correctly match the heads and tails.

Heads	Tails
Herbivores are...	organisms that produce their own food.
Producers are...	animals that eat plants.
Consumers are...	organisms that live in or on other organisms and obtain their food from them.
Parasites are...	organisms that break down dead plants and animals.
Decomposers are...	animals that eat other organisms.

2. Unjumble the words below to reveal some of the important terms in this unit. Write down what each term means and give an example.

(a) phetypie (b) cudperro (c) ovinorme (d) dofo incah (e) asitreap

3. Use the clues to complete the word puzzle.

- (a) _ _ _ _ _ E _ _ _ _ _
- (b) _ _ _ _ _ N _ _ _ _ _
- (c) _ _ _ _ _ V _ _ _ _ _
- (d) _ _ _ _ _ I _ _ _ _ _
- (e) _ _ _ _ _ R _ _ _ _ _
- (f) _ _ _ _ _ O _ _ _ _ _
- (g) _ _ _ _ _ N _ _ _ _ _
- (h) _ _ _ _ _ M _ _ _ _ _
- (i) _ _ _ _ _ E _ _ _ _ _
- (j) _ _ _ _ _ N _ _ _ _ _
- (k) _ _ _ _ _ T _ _ _ _ _

Clues

- (a) Animals that eat the same sort of food, and live in the same area.
 (b) Animals that are close to extinction.
 (c) Meat-eating animals.
 (d) A place where an organism lives.
 (e) Plant-eating animals.
 (f) A stable system made up of living and non-living things.
 (g) Plants or animals that no longer exist.
 (h) Organisms such as bacteria and fungi which break down plant and animal remains.
 (i) A diagram that shows the feeding relationships of organisms in an ecosystem.
 (j) This process returns water to the atmosphere from plant tissue.
 (k) The interaction between members of two species that benefits both species.

4. A wedge-tailed eagle kills and eats a farmer's lamb. The farmer is very angry about his loss and shoots any wedge-tailed eagles that come close to his farm. Within a year his farm is overrun by rabbits which eat all the grass. He tries everything to kill the rabbits, but finds that he can't control their increasing numbers. He has to sell his farm because all of his sheep starve.

Explain fully what went wrong, and how he could have avoided the disaster.