

9D Plants for food

Extension questions

Science Interactive LTD, PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

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Answer the following questions:



Click mouse to reveal answer

- Q1. What is a large molecule made from a string of simple sugar molecules called?
- Q2. Name a carbohydrate that is easily soluble in water?
- Q3. Name a very easily digested simple sugar?
- Q4. What form of energy is used by green plants to produce chemical energy (food)?
- Q5. Name the most common solvent, needed for life processes to take place?
- Q6. Name the process used by green plants to convert light energy into chemical energy?
- Q7. Name a large molecule made from a string of amino acids. Used for body growth and repair?
- Q8. What do we call a quantity of plant or animal material?
- Q9. What is a chemical sprayed on crops to kill weeds called?
- Q10. What is a chemical sprayed on crops to kill unwanted insects called?
- Q11. What is an unwanted plant growing in between crops called?
- Q12. What is the process of choosing particular animals or plants to breed together to produce the next generation called?
- Q13. What are trees that lose their leaves in Winter called?
- Q14. What is the evaporation of water from plant surfaces, usually from stomata on leaves, called?
- Q15. Name a cereal crop used to make flour for bread and pasta?
- Q16. Name a food crop that produces thin white grain?

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Answers:

- A1. Starch
- A2. Sugar
- A3. Glucose
- A4. Light
- A5. Water
- A6. Photosynthesis
- A7. Protein
- A8. Biomass
- A9. Herbicide
- A10. Pesticide
- A11. A weed
- A12. Selection
- A13. Deciduous
- A14. Transpiration
- A15. Wheat
- A16. Rice

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multiple choice

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Click mouse to reveal answer

1: Potatoes are a very good source of which nutrient ?

- A Minerals
 - B Vitamins
 - C Proteins
 - D Carbohydrates
-

2: Wheat and weed plants will compete for the same resources such as ?

- A Carbon dioxide and warmth
 - B Water and glucose
 - C Minerals and water and light
 - D Air and salt
-

3: What is the process when a crop like wheat begins to produce nutrients called ?

- A Transpiration
 - B Respiration
 - C Photosynthesis
 - D Reproduction
-

4: Two identical wheat fields, one is treated with weed killer causing ?

- A No change in wheat yield
 - B Decrease in wheat yield
 - C Increase in wheat yield
 - D An increase in weeds
-

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multiple choice

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- C Photosynthesis
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4: Two identical wheat fields, one is treated with weed killer causing ?

- A
- B
- C Increase in wheat yield
- D

Answer all the questions below:



Click mouse to reveal answer

1) Unscramble the following words:

fdoo cahin

cmnsurseo

ceprrodus

gslihunt

2) Make three sentences using the following nine words or phrases:

biomass of a plant
food webs
fertilisers

originates
feeding relationships
improve

photosynthesis
plants and animals
crop yield

3) Match the word or phrase with the right meaning:

Biomass



How chemicals build up in organisms through food chains

Top predator



The dry mass found in the tissue of a plant or animal

Bioaccumulation



An animal that has no natural predator

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literacy in science

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Answer all the questions below:

1) Unscramble the following words:

food chain

consumers

producers

sunlight

2) Make three sentences using the following nine words or phrases:

biomass of a plant

food webs

fertilisers

originates

feeding relationships

improve

photosynthesis

plants and animals

crop yield

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The dry mass found in the tissue of a plant or animal

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complete the sentence

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Place the right word or words to complete the sentence:

 [Click mouse to reveal answer](#)

bodies

plants

light

levels

webs

pollute

wheat

fertilisers

purple

- a) Photosynthesis in _____ produces all the nutrients and oxygen we need for respiration.
- b) Weeds compete with crops for _____ moisture and space.
- c) Food _____ show the feeding relationships between producers and consumers.
- d) The main crops that we use are _____, corn, potatoes, rice, lentils and grass.
- e) Farmers put _____ in the soil to improve their crop yields.
- f) In greenhouses, light, temperature and CO₂ _____ can be all controlled.
- g) Overuse of weed killers and pesticides can _____ the environment.
- h) A lack of phosphorus in plants causes them to have _____ leaves and small roots.
- i) Toxins can build up in the _____ of consumers throughout a food chain.

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complete the sentence

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Place the right word or words to complete the sentence:

bodies

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- a) **Photosynthesis in plants produces all the nutrients and oxygen we need for respiration.**
- b) **Weeds compete with crops for light, moisture and space.**
- c) **Food webs show the feeding relationships between producers and consumers.**
- d) **The main crops that we use are wheat, corn, potatoes, rice, lentils and grass.**
- e) **Farmers put fertilisers in the soil to improve their crop yields.**
- f) **In greenhouses, light, temperature and CO₂ levels can be all controlled.**
- g) **Overuse of weed killers and pesticides can pollute the environment.**
- h) **A lack of phosphorus in plants causes them to have purple leaves and small roots.**
- i) **Toxins can build up in the bodies of consumers throughout a food chain.**