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GVC 8.3 Life Systems Review

A public quiz for schools

Play

Challenge

GVC 8.3 Life Systems Review

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<https://play.kahoot.it/#/?quizId=f54e11b1-895e-4725-8dbd-86cce4c27b3e>


Questions (30)

Q1: How much energy is **WASTED** as it goes up each level?

 10%

 0%

 50%

 90%

Q2: What organisms are **most likely** responsible for the biological and chemical changes to the tree?

 Producers

 Consumers

 Decomposers

 Predators

Q3: Which organism best fits in the missing area in the above diagram of a food chain?

(/I/#) ▲ a tree because it is larger than the plant shown

◆ a wolf because it eats the plant

● a mouse because an owl eats it

■ a hawk because it is a consumer

Q4: Which of these organisms are producers?

▲ rose, maple tree, sunflower

◆ maple tree, grass, hawk

● mushroom, antelope, aspen tree

■ cougar, snake, bacteria

Q5: Which organism produces sugar from carbon dioxide and water using energy from light?

▲ Worm

◆ Clam

● Daisy

■ Horse

Q6: What process do animals use in order to release the energy stored in food?

▲ Photosynthesis

◆ Cellular Respiration

● Conversion

(/I/#)

 Circulation

Q7: Which of the following is a product of photosynthesis?


 Sodium Chloride


 Nitrogen

 Sugar


 Carbon Dioxide

Q8: Why is respiration important to living things?


 It releases energy from food.


 It moves blood through the body.

 It stores energy from sunshine.

 It creates new offspring.

Q9: What would happen if the grasshoppers were suddenly killed by a pesticide?


 The grass would die because it had no water


 The mice would die because they have no food

 The owls would grow out of control.


 The mice would grow out of control.

(/I/#) **Q10:** Which substances are the products of photosynthesis?


 carbon dioxide and oxygen

 glucose (sugar) and oxygen

 carbon dioxide and water

 glucose (sugar) and water

Q11: The diagram is the chemical formula for what process?

 Combustion


 Respiration


 Photosynthesis

 Fermentation

Q12: Which is the correct formula for cellular respiration?

 Sugar + Carbon Dioxide + Oxygen --> Water

 Water + Oxygen --> Sugar + Carbon Dioxide


 Sugar + Oxygen --> Water + Carbon Dioxide


 Oxygen + Carbon Dioxide --> Sugar + Water

Q13: The process of cellular respiration is limited to:

 Plants

(/I/#)  Animals

 every living thing can do cellular respiration


 Bacteria

Q14: Which process does this formula represent?

 Fermentation

 Oxygen Cycle

 Fermentation

 Cellular Respiration

Q15: If trees are removed from a forest, what is the effect on the carbon cycle in that forest?


 increased rates of decomposition


 decreased combustion of fossil fuels

 decreased removal of atmospheric CO₂

 increased production of organic compounds

Q16: Which of the following best describes the concentration of carbon dioxide in the atmosphere?


 It has increased since the Industrial Revolution


 It has remained the same since the Industrial Revolution


 It has decreased since the Industrial Revolution


(///#)  There is no carbon dioxide in the atmosphere

Q17: A person exhales a CO₂ into the atmosphere. What will most likely happen next to the C?


 It may be used by a plant to make glucose.


 It may be consumed as a fossil fuel is burned.

 It may become part of a protein in an animal.

 It may be decomposed into carbon and oxygen by a bacterium.

Q18: Which of the following is NOT a way Carbon is ADDED to the atmosphere?

 burning of fossil fuels


 animal respiration

 plant respiration

 photosynthesis

Q19: True or False. There is more carbon in the SOIL than in the atmosphere.

 True

 False

Q20: What gas do plants produce that humans need?

 Nitrogen

(/I/#)  Carbon

 Carbon Dioxide


 Oxygen

Q21: Organisms that make their own food are called _____

 consumers

 decomposers

 producers

 herbivores

Q22: Organisms that feed on decaying matter are called _____

 producers

 decomposers

 consumers

 carnivores

Q23: Organisms that cannot make their own food are called _____


 producers


 decomposers


 consumers

(/I/#)  plants

Q24: An animal that feeds only on plants:


 omnivore

 carnivore

 herbivore

 producer

Q25: An animal that feeds only on meat:


 carnivore

 decomposer

 omnivore

 herbivore

Q26: Animals that feed on meat and plants:

 carnivore


 herbivore

 omnivore

 producer

Q27: The following image is an example of _____

(/1/#)

 an ecosystem

 decomposers


 a food chain

 a food web

Q28: The following image is an example of _____

 a food web


 a food chain


 an ecosystem

 producers

Q29: An animal that lives by killing and eating other animals is _____

 prey

 an herbivore

 a predator

 a producer

Q30: An animal that is hunted or killed by another animal for food is called _____

 carnivore

(/I/#)  prey

 predator

 decomposer
