GVC 8.3 Life Systems Review

A public quiz for schools

Play Challenge

GVC 8.3 Life Systems Review

Predators

Copy and share this playable link https://play.kahoot.it/#/?quizId=f54e1lb1-895e-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

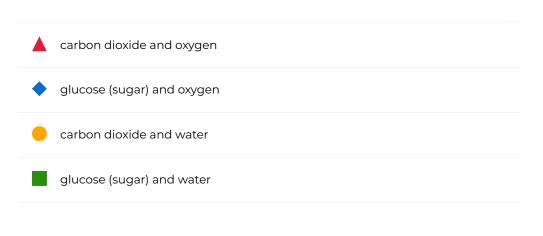
Q3: Which organism best fits in the missing area in the above diagram of a food chain?

(/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			
		Which organism produces sugar from carbon dioxide and water ng 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/#)

(/1/#\	Q10: Which	substances	are the	products	of photosy	ynthesis´
. / . / ++ .						



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

▲ Combustion♦ Respiration♦ PhotosynthesisFermentation

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

(/l/#)	•	Animals
		every living thing can do cellular respiration
		Bacteria
	Q14	4: Which process does this formula represent?
		Fermentation
	•	Oxygen Cycle
		Fermentation
		Cellular Respiration
		5: If trees are removed from a forest, what is the effect on the bon cycle in that forest?
		increased rates of decomposition
	♦	decreased combustion of fossil fuels
		decreased removal of atmospheric CO ₂
		increased production of organic compounds
		5: Which of the following best describes the concentration of bon 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

Q17: A person exhales a CO_2 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.
- lt 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	2: Organisms that feed on decaying matter are called
		producers
	♦	decomposers
		consumers
		carnivores
		3: Organisms that cannot make their own food are ed
		producers
	•	decomposers
		consumers

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

(/۱/#)	
		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

