Chapter 03 Test Bank: Matter, Energy, and Life Key

- 1. The smallest particle exhibiting the characteristics of an element is a/an
- **A.** atom.
- B. molecule.
- C. isotope.
- D. ion.

Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03

Gradable: automatic Section: 03.01 Topic: Chemistry

- 2. Atoms of the same element but with different atomic mass are called
- A. radioactive.
- B. molecules.
- **C.** isotopes.
- D. ions.

Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03

> Gradable: automatic Section: 03.01 Topic: Atomic Structure

- 3. Organic compounds are those substances
- A. found only in living organisms.
- **B.** containing chains and rings of carbon atoms.
- C. composed of atoms of a single element.
- D. exhibiting radioactive decay.

Accessibility: Keyboard Navigation Bloom's: 1. Remember

ьюот s: 1. кететоег Chapter: 03 Gradable: automatic

> Section: 03.01 Topic: Chemistry

- 4. The conservation of matter principle is that matter
- A. is composed of atoms and molecules.
- B. cannot be created, destroyed, nor changed in form.
- C. must be used carefully or Earth will eventually run out.
- **D.** can neither be created nor destroyed.

Accessibility: Keyboard Navigation Bloom's: 1. Remember

Chapter: 03 Gradable: automatic Section: 03.01

Topic: Energy

- 5. The second law of thermodynamics states that
- A. whenever energy is used, some becomes converted to a form difficult to use to do work.
- B. energy cannot be shifted from one form to another.
- C. life forms cannot survive without energy.
- D. energy exists in both potential and kinetic form.

Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.02 Topic: Energy

- 6. Cellular respiration is the process by which organisms
- A. release energy from sugar for metabolic use.
- B. create complex organic molecules from simple molecules.
- C. convert heat to chemical bond energy for metabolic work.
- D. More than one of these choices are correct

Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.03 Topic: Carbon Cycle

- 7. A group of individuals of a particular type that are able to successfully interbreed is called a/an
- A. community.
- B. ecosystem.
- C. species.
- D. population.

Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecosystems

- 8. The productivity of an ecosystem refers to the
- A. amount of food consumed by the organisms per unit space.
- B. average number of offspring produced per adult female per unit time.
- C. amount of biological material produced during a certain period of time.
- D. reproductive output.

Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.04

Topic: Ecosystems

9. Which have the most diverse diet?	
A. Photosynthetic plants B. Herbivores C. Omnivores D. Carnivores	
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.04 Topic: Trophic Level
10. Which two kinds of organisms introduce energy to an ecosystem?	
A. Plants and primary consumers B. Plants and animals at the very top of the food chain C. Animals in trophic levels III and IV D. Plants and algae	
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.04 Topic: Trophic Level
11. Photosynthesis and respiration are most significant in the cycle.	
A. nitrogen B. carbon C. sulfur D. phosphorus	
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.05 Topic: Carbon Cycle
12. The cycle is most dependent on a variety of types of bacteria that shift the element among forms.	several different chemical
A. nitrogen B. carbon C. sulfur D. phosphorus	
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.05 Topic: Nitrogen Cycle

Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.04 Topic: Trophic Level
Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.05 Topic: Carbon Cycle
Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.01 Topic: Chemistry
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Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.01 Topic: Chemistry

17. DNA molecules

- **A.** are unique to every individual.
- B. are single stranded.
- C. are protein.
- D. are only found in humans.

Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03

Gradable: automatic Section: 03.01 Topic: Chemistry

18. A population

- A. consists of all the plants and animals in a given region.
- **B.** consists of all individuals of a given species living in the same area.
- C. consists of all species on Earth.
- D. consists of a given species and all of the other species it consumes.

Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic

Section: 03.04 Topic: Ecosystems

19. Vegetation and forests are important carbon sinks.

TRUE

Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.05 Topic: Carbon Cycle

20. Ecologists study:

- A. Living things and their genetic makeup
- B. Genetic patterns and the chemistry in them
- C. The physical world and its processes
- D. The Earth and its processes
- **E.** Relationships between organisms and their environment

Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.01 Topic: Ecology

- 21. How are matter and mass related?
- **<u>A.</u>** Mass is a component of matter.
- B. Neither matter nor mass take up space.
- C. Matter is a component of mass.
- D. Both matter and mass take up space.
- E. Mass takes up space, while matter does not take up space.

Accessibility: Keyboard Navigation Bloom's: 2. Understand

Chapter: 03 Gradable: automatic Section: 03.01 Topic: Matter

- 22. Water vapor, water, and ice are examples of:
- A. Types of matter
- B. Phases of matter
- C. Transfers of energy into matter
- D. Forms of energy
- E. Types of mass

Accessibility: Keyboard Navigation

Bloom's: 1. Remember Chapter: 03

Gradable: automatic

Section: 03.01 Topic: Matter

- 23. What implication(s) does the law of conservation of matter have for humans?
- A. We cannot create energy because it is neither created nor destroyed.
- B. As matter is recycled, it loses some of its integrity, so we need to be careful when we dispose of goods.
- C. Natural resources are unlimited because they are used and reused by living organisms.
- **<u>D.</u>** Disposable goods are not going "away" when we throw them out.
- E. All of these are implications of the law of conservation of matter.

Accessibility: Keyboard Navigation

Bloom's: 1. Remember

Chapter: 03 Gradable: automatic Section: 03.01

Topic: Matter

- 24. The law of conservation of matter tells us that matter:
- A. Can never be reused
- B. Needs to be conserved or it will not be available for future generations
- C. Can be destroyed
- D. Can be conserved by some adaptive strategies
- **E.** Is used repeatedly

Accessibility: Keyboard Navigation Bloom's: 2. Understand

Chapter: 03 Gradable: automatic

Section: 03.01 Topic: Matter

25. The smallest particle that exhibits the characteristics of a chemical element is known as a(n):	
A. Molecule B. Microorganism	
C. Atom D. Phase of matter E. Isotope	
	Accessibility: Keyboard Navigation Bloom's: 1. Remembe Chapter: 0: Gradable: automatic Section: 03.0 Topic: Matter
26. A compound is composed of	
A. Elements B. Isotopes C. Atoms D. Molecules	
D. Molecules	Accessibility: Keyboard Navigation
	Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.01 Topic: Matter
27. In chemical terms, water (H ₂ O) would best be described as a(n):	
A. Element B. Atom C. Ion D. Compound E. Isotope	
E. Isotope	Accessibility: Keyboard Navigation
	Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.01 Topic: Matter
28. Which of the following is NOT a molecule?	
A. O ₃ B. O ₂ C. H ₂ O D. C ₆ H ₁₂ O ₆ <u>E.</u> Na+	
	Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.01 Topic: Matter

29. The distinction between an organic compound and an morganic compound is that organic compounds contain.	
A. Carbon-Oxygen bonds B. Water	
C. Carbon-Carbon bonds D. Nitrogen-Carbon bonds	
Bl	Keyboard Navigation loom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.01 Topic: Matter
30. Which of the following is NOT a type of organic molecule?	
A. Lipids B. Proteins C. Carbohydrates D. Nucleic Acids E. Salts	
Accessibility:	Keyboard Navigation Chapter: 03 Gradable: automatic
31. A fat or oil is to a, as an enzyme is to a	
A. Nucleic acid; lipid B. Protein; nucleic acid C. Nucleic acid; carbohydrate D. Carbohydrate; protein E. Lipid; protein	
	Keyboard Navigation loom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.01 Topic: Matter
32. Nucleic acid is to, as lipid is to	
A. Cellular membrane structure; energy storage B. Cellulose structure; genetic storage C. Energy storage; cellulose structure D. Genetic storage; cellular membrane structure E. Energy storage; genetic storage	
Bl	Keyboard Navigation loom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.01 Topic: Matter

33. Deoxyribonucleic acid (D	NA) contains billions of atoms and is ver	y large. It would be considered a(n):
A. Element B. Enzyme C. Compound D. Mega-atom E. Isotope		
		Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 0: Gradable: automatic Section: 03.01 Topic: Matter
34. A cell is:		
A. The smallest molecule exh B. A building block for DNA C. A small organic compound D. Made up of DNA E. The smallest unit in which	made of carbon, water, and nitrogen	
		Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatio Section: 03.01 Topic: Matte
		Topic. Maile
35. An enzyme	_ a chemical reaction and	so it is ready to perform the reaction again.
A. catalyzes; is not consumed	as it is used s together to form something different it is used	•
A. catalyzes; is not consumed B. speeds up; organizes pieces C. slows; is not consumed as it	as it is used s together to form something different it is used	•
A. catalyzes; is not consumed B. speeds up; organizes pieces C. slows; is not consumed as it	as it is used s together to form something different it is used gy to put something together	so it is ready to perform the reaction again. Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.01
A. catalyzes; is not consumed B. speeds up; organizes pieces C. slows; is not consumed as in D. initiates; provides the energy	as it is used stogether to form something different it is used gy to put something together term for thousands of: ell sary for life	so it is ready to perform the reaction again. Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 0: Gradable: automatic Section: 03.0.

37. Which of the following is a form of energy?	
A. Electricity B. Food C. Heat D. Light E. All of these are forms of energy	
	Accessibility: Keyboard Navigation
	Bloom's: 1. Remember Chapter: 03
	Gradable: automatic Section: 03.02 Topic: Energy
38. Potential energy is energy.	
A. Electrical	
B. Motion <u>C.</u> Stored	
D. Heat	
E. Latent	
	Accessibility: Keyboard Navigation Bloom's: 1. Remember
	Chapter: 03 Gradable: automatic
	Section: 03.02 Topic: Energy
39. The motion of a rock rolling downhill is known as energy.	1
39. The motion of a fock forming downmin is known as energy.	
A. Kinetic B. Latent	
C. Potential	
D. Electrical E. Mechanical	
	Accessibility: Keyboard Navigation
	Bloom's: 1. Remember Chapter: 03
	Gradable: automatic Section: 03.02
	Topic: Energy
40. Which of the following has the highest quality energy?	
A. A warm brick	
B. An intense fire C. A flowing stream	
D. A rock rolling downhill E. Hot air	
	Accessibility: Keyboard Navigation
	Bloom's: 1. Remember Chapter: 03
	Gradable: automatic Section: 03.02
	Topic: Energy

 A. Under normal circumstances neither energy nor matter is created nor destroyed. B. Both energy and matter flow in a one-way path through biological systems. C. Under normal circumstances energy and matter are created as they pass through biological systems. D. The first law of thermodynamics and the law of conservation of matter are not similar. 	
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 0. Gradable: automatic Section: 03.02 Topic: Energ
42. The second law of thermodynamics states that as energy moves through different forms and systems,	it gradually:
A. Becomes more concentrated B. Dissipates and becomes unavailable C. Disappears and is lost D. Accumulates in the form of electricity E. Changes from kinetic to potential energy	
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 0. Gradable: automati Section: 03.0. Topic: Energ
43. As energy is used and transformed, it gradually becomes quality and concentrated.	
A. Higher; more B. Lower; more C. Higher; less D. Lower; less E. As energy is used, it does not become transformed; there is no change in quality, and it stays the same	concentration
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 0. Gradable: automati Section: 03.0. Topic: Energ
44. What implication(s) does the second law of thermodynamics have for biological systems regarding en	ntropy?
 A. Systems cannot create energy because it is neither created nor destroyed. B. With each transformation, less energy is available to do work, so older systems have less energy. C. A constant supply of energy is necessary for maintenance of biological systems. D. Energy is unlimited because it is used and reused by living organisms. E. None of these is an implication of the second law of thermodynamics. 	
	Accessibility: Keyboard Navigation Bloom's: 1. Remembe Chapter: 0. Gradable: automatic Section: 03.0 Topic: Energ

41. The first law of thermodynamics and the law of conservation of matter are similar in that

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49. The process of photosynthesis and cellular respiration are similar as that they both	
A. Capture energy in the form of sugar B. Occur in all living organisms C. Store energy in the form of ATP	
D. Capture energy from the sun E. Photosynthesis and cellular respiration are not similar, they are opposite processes	
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.03 Topic: Respiration
50. The process of cellular respiration:	
A. Helps primary producers store energy accumulated by chloroplasts B. Utilizes energy from chemical bonds of molecules, such as glucose C. Eliminates the need for enzymes in metabolism D. Does not occur in primary producers E. Does not occur in detritivores	
	Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.03 Topic: Respiration
51. The process of allows organisms to use inorganic molecules as an energy source.	
A. photosynthesis B. phosphorylation C. cellular respiration D. chemosynthesis	
	Accessibility: Keyboard Navigation Chapter: 03 Gradable: automatic
52. Producers and consumers rely on to release chemical energy stored as ATP.	
A. Photosynthesis B. Cellular respiration C. The sun D. Metabolism E. Chemosynthesis	
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.03 Topic: Respiration

53. Although there are exceptions, in general, a species includes all organisms that are similar enough to: A. Produce fertile offspring in nature B. Look alike C. Fill the same niche D. Occupy the same community E. Live together Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecology 54. All members of a species that live in the same area, at the same time, make up a(n): A. Species B. Ecosystem C. Community **D.** Population E. Biome Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecology 55. A biological community consists of all: **A.** Populations living and interacting in an area B. Members of a species living in the same area C. Living things on Earth D. Populations of a given species E. Members of a species living in the same biome Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic

Section: 03.04 Topic: Ecology

56. An ecosystem consists of:

- A. A physical environment within which a biological community lives
- B. The species with which a biological community interacts
- C. A biological community and its physical environment
- D. The primary producers within a biological community
- E. All the species in a biological community

Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic

Section: 03.04 Topic: Ecology

57. If an ecosystem exchanges both matter and energy with its surroundings, it would be referred to as a(n)) system.
A. Closed B. Open C. Dynamic D. Isolated E. Interactive	
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecology
58. Many ecologists think of ecosystems and even the Earth as a superorganism because its systems appear	r to be:
A. Unregulated B. Self-regulating and self-stabilizing C. Completely unpredictable D. Unchangeable E. Hierarchical	
	Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecology
59. Productivity in an ecosystem has to do with:	
A. The efficiency of its primary producers B. The number of different species living in the ecosystem C. Its longevity D. The combined metabolic rate of the biological communities E. Its rate of producing biomass	
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecology
60. Biomass includes all:	
A. Material in an ecosystem B. Things that are living at a given time C. Living and nonliving things D. Matter produced by primary producers E. Biological material	
	Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecology

61. A simple linked feeding series such as grass-rabbit-wolf is known as a(n):	
A. Energy cycle B. Food web C. Carbon cycle D. Food chain E. Food cycle	
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecology
62. Primary consumers are also known as:	
A. Carnivores B. Scavengers C. Decomposers D. Herbivores E. Top carnivores	
	Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecology
63. Omnivores eat mainly:	
A. Detritivores B. Plants C. Animals D. Dead plants and animals E. Plants and animals	
	Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecology
64. Detritivores, scavengers, and decomposers are all similar as they:	
A. Consume nonliving organic matter B. Are primarily microorganisms C. Are primary producers D. Are among the Earth's least useful organisms E. Consume abiotic material	
	Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecology

about	enters a system as sunlight and a producer is able to produce 10 kil kilogram(s) of consumer tissue that would provide about	
A. 100; 10 B. 10; 1 C. 100; 1 D. 1; 0.1 E. 10; 0.1		
		Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecology
66. Which	of the following does not cycle repeatedly through the Earth's ecosy	ystems?
A. Water B. Nitroge C. Matter D. Carbon E. Energy		
		Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.05 Topic: Ecology
67. Living	vegetation and the ocean are known as "carbon sinks" because:	
B. They cr C. They de D. They st	re made of carbon. eate carbon. estroy carbon. ore carbon. gravity, carbon is found closer to the ground.	
		Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.05 Topic: Ecology
68. Nitrog	en is an essential component of:	
B. Organic C. Sugars,	acids and proteins c molecules the product of photosynthesis drologic cycle ydrates	
		Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic Section: 03.05 Topic: Ecology

A. Nitrogen fixation B. Nitrification C. Photographesis	
C. Photosynthesis D. Ammonification	
E. Denitrification	
	Accessibility: Keyboard Navigation
	Bloom's: 1. Remember
	Chapter: 03 Gradable: automatic
	Section: 03.05 Topic: Ecology
70. Phosphorus cycles through the Earth's ecosystems:	
A. Extremely quickly	
B. Very slowly	
C. Only when activated by human activity D. Very rarely	
E. Quickly when humans burn large amounts of fossil fuels	
	Accessibility: Keyboard Navigation
	Bloom's: 1. Remember Chapter: 03
	Gradable: automatic
	Section: 03.05 Topic: Ecology
71. Which of the following biogeochemical cycles does not have an atmospheric phase?	
A. Hydrologic cycle B. Nitrogen cycle	
C. Sulfur cycle	
D. Carbon cycle	
E. Phosphorous cycle	
	Accessibility: Keyboard Navigation
	Bloom's: 1. Remember Chapter: 03
	Gradable: automatic
	Section: 03.05 Topic: Ecology
72. Human activities such as the release large quantities of sulfur.	
A. Burning of fossil fuels	
B. Burning of wood	
C. Use of synthetic fertilizers	
D. Use of detergents E. Cultivation of sulfur-fixing crops	
	Accessibility: Keyboard Navigation Chapter: 03
	Gradable: automatic
	Section: 03.05 Topic: Ecology
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69. Which of the following is not a step in the global nitrogen cycle?

73. The amount of energy in the universe is believed to be the same as it was billions of years ago.

TRUE

Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.02 Topic: Ecology

74. Water molecules readily dissolve ionic substances such as sugar because of the covalent bonds between the hydrogen and oxygen atoms.

TRUE

Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.01 Topic: Matter

75. Acids and bases are highly reactive; therefore, they can cause important environmental problems.

TRUE

Accessibility: Keyboard Navigation Bloom's: 1. Remember Chapter: 03 Gradable: automatic

raaable: automatic Section: 03.01 Topic: Matter

76. Approximately one-half of the energy available in an organism is transferred to the consumer that eats it.

FALSE

Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: automatic Section: 03.04 Topic: Ecology

- 77. Which of the following statements is false?
- I. Nutrients are cycled in the ecosphere in biogeochemical cycles.
- II. Elements in the rock cycle are generally cycled slower than elements in gaseous cycles.
- III. Biogeochemical cycles are driven by the sun and by gravity.
- IV. There are three types of biogeochemical cycles: air, water, and land.
- V. The hydrologic cycle involves the ocean, air, land, and living organisms.

Change the false answer above to a true statement.

IV is false. There are many types of biogeochemical cycles, including carbon, nitrogen, phosphorus, and sulfur.

Accessibility: Keyboard Navigation Bloom's: 2. Understand Chapter: 03 Gradable: manual Section: 03.05 Topic: Ecology 78. Using examples, compare and contrast the cycling of energy through biological systems and biogeochemical cycles.

Points awarded on depth and accuracy of answer. Answer should mention sunlight as the starting point for all energy and transfer of energy through living things in the food chain/web (including energy lost as heat along each step of the pathway).

Accessibility: Keyboard Navigation Bloom's: 3. Apply Chapter: 03 Gradable: manual Section: 03.05 Topic: Ecology

79. Outline the path of a carbon atom as it moves through the carbon cycle. Do not include human influences.

Should include the following: carbon dioxide in the atmosphere, taken up by photosynthesis and released by cellular respiration (same in the oceans); carbon stored in the oceans; carbon deposits (dead organisms) forming calcium carbonate (limestone) on the ocean floor; carbon deposition from dead plants and animals millions of years ago formed today's fossil fuels.

Accessibility: Keyboard Navigation Bloom's: 3. Apply Chapter: 03 Gradable: manual Section: 03.05 Topic: Ecology

Chapter 03 Test Bank: Matter, Energy, and Life Summary

Category-# of Questions

Accessibility: Keyboard Navigation-79

Bloom's: 1. Remember-42 Bloom's: 2. Understand-32 Bloom's: 3. Apply-2

Bloom's: 3. Apply Chapter: 03-79

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Gradable: manual-3
Section: 03.01-25
Section: 03.02-10
Section: 03.03-8
Section: 03.04-20
Section: 03.05-14

Topic: Atomic Structure-1 Topic: Carbon Cycle-4 Topic: Chemistry-5 Topic: Ecology-26 Topic: Ecosystems-3 Topic: Energy-10 Topic: Matter-17 Topic: Nitrogen Cycle-1 Topic: Photosynthesis-4 Topic: Respiration-3 Topic: Trophic Level-3