**Question of chapter : Ch. 1: Exploring Life**

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**لا تنسوني من دعواتكم لي بالتوفيق و النجاح**

1. Which statement is true \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

logos means science  
Living things are called atoms  
logos means life  
a and b

1. Which of the following is life hierarchy of organization in a descending (down) order?

Biosphere, ecosystem, community, population, organisms  
Ecosystem, : biosphere, population, community, organisms  
Population, community, ecosystem, biosphere, tissues  
all of the above

1. \_\_\_\_\_\_\_\_ are structures consisting of two or more tissues that perform specialized functions within an organism

Tissues  
Cells  
Organ systems  
none of the above

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ means all the individuals of a species only interbreed with each other within a specific area

Population  
Community  
Biosphere  
all of the above

1. Responsiveness \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

means the ability of organisms to respond to environmental stimuli  
is the sum of all the chemical reactions in an organism  
is the ability to perpetuate the species, and genes are passed from parent to offspring  
none of the above

1. Venus flytrap closes its trap in \_\_\_\_\_\_\_ to the environmental stimulus of a house fly

Response  
Evolution  
Reproduction  
none of the above

1. \_\_\_\_\_\_\_\_\_ are organisms that recycled all organic materials (Dead plants and animals)

Decomposers  
Producers  
Herbivores  
a and b

1. A hypothesis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

must be falsifiable  
Cannot be rejected  
Cannot be tested   
all of the above

1. The drawing of the general conclusions that based on specific (observations) is called \_\_\_\_\_\_\_

Inductive reasoning   
Discovery  
Hypothesis   
all of the above

1. Which statement is true \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

The term Biology is derived from Greek word bios and logos  
Biology is the study of all non living things  
Living things are called atoms  
none of the above

1. Which of the following is life hierarchy of organization in an ascending (up) order?

Population, community, ecosystem, biosphere  
Population, ecosystem, community, biosphere  
Community, population, ecosystem, biosphere  
a and b

1. The molecules \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Are membrane-bound structures with different jobs inside Cells   
Consist of clusters of atoms  
Are made of groups of similar cells that carry out a particular function in an organism  
Composed of organs that carry out a particular function in an organism

1. Population means \_\_\_\_\_\_\_\_\_\_\_\_\_\_

all the individuals of a species only interbreed with each other within a specific area  
the array of organisms living in a particular ecosystem  
all the environments (ecosystems) on Earth that support life   
a and b

1. \_\_\_\_\_\_\_\_\_\_\_ is the ability of organisms to maintain an internal environment consistent with life (Homeostasis)

Regulation  
Adaptation  
Evolution  
Development

1. When the bear eats the fish, it will use the \_\_\_\_\_\_\_\_\_\_stored in the fish to power its own activities metabolism

Chemical energy  
Light energy  
Mechanical energy  
a and b

1. Organisms that recycled all organic materials(Dead plants and animals) are called \_\_\_\_\_\_\_\_\_

Decomposers  
Consumers  
Herbivores  
a and b

1. A hypothesis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

is a proposed explanation for a set of observations  
must be falsifiable  
is consistent with facts  
all of the above

1. \_\_\_\_\_\_\_ draws general conclusions based on specific observations

Inductive reasoning  
Discovery  
Hypothesis   
all of the above

1. Which statement is true \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

Organisms include bacteria, protists, fungi, plants, & animals etc.  
logos means science  
The term Biology is derived from bioch and log  
a and b

1. Which of the following is life hierarchy of organization in a descending (down) order?

Biosphere, ecosystem, community, population, organisms  
Biosphere, ecosystem, population, community, atoms  
Population, community, ecosystem, biosphere, tissues  
none of the above

1. Tissues \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

are made of groups of similar cells that carry out a particular function in an organism  
consist of clusters of atoms  
are the simplest entity that has all the properties of life  
none of the above

1. Biosphere means \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

all the environments (ecosystems) on Earth that support life  
all the organisms (communities) living in a particular area  
the array of organisms (different populations) living in a particular area  
none of the above

1. Motility \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

is the ability of organisms to move themselves or their parts  
is the sum of all the chemical reactions in an organism  
is the ability to perpetuate the species, and genes are passed from parent to offspring  
a and b

1. When the bear eats the fish, it will use the \_\_\_\_\_\_\_\_\_\_stored in the fish to power its own activities metabolism

Chemical energy  
Light energy  
Functional energy  
none of the above

1. Energy enters as \_\_\_\_\_\_\_\_ and exits as \_\_\_\_\_\_\_\_\_\_\_

light – heat  
heat - light  
liquid - water  
all of the above

1. A hypothesis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

is a tentative explanation for observations  
Cannot be rejected  
Cannot be tested   
a and b

1. \_\_\_\_\_\_\_ draws specific conclusions based on information (facts)

Deductive reasoning  
Inductive reasoning  
Hypothesis   
a and b

1. Which statement is true \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

The term Biology is derived from Greek word bios and logos  
Non living things include bacteria, protists, fungi, plants, & animals  
The term Biology is derived from bioch and log  
Biology is the study of all non living things

1. Which of the following is the proper animals hierarchy levels of organization?

Atom, molecule, organelle, cell, tissue, organ, system, organism  
Molecule, organelle, cell, tissue, organ, system, organism, atom  
Tissue, atom, molecule, organelle, cell, organ, system, organism   
all of the above

1. \_\_\_\_\_\_\_\_ are structures consisting of two or more tissues that perform specialized functions within an organism

Cells  
Organ systems  
Organelles  
none of the above

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ means the array of organisms (different populations) living in a particular ecosystem

Community  
Ecosystem  
Biosphere  
none of the above

1. Adaptation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

is the innate fitness of an organism for its environmental condition  
means the ability of organisms to respond to environmental stimuli  
define as the ability of organisms to move themselves or their parts  
none of the above

1. A jackrabbit can adjust its body temperature by regulating the amount of blood flowing through its\_\_\_\_\_\_\_\_\_\_\_\_

Ears  
Nose  
Feet  
none of the above

1. \_\_\_\_\_\_\_\_\_\_\_ are organisms that eat plants (or animals that profit from plants)

Consumers  
Producers  
Herbivores  
all of the above

1. A hypothesis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

is a proposed explanation for a set of observations  
Is supported by a large and usually growing body of evidence  
Cannot be rejected  
none of the above

1. \_\_\_\_\_\_\_ draws general conclusions based on specific observations

Inductive reasoning  
Discovery  
Hypothesis   
all of the above

1. Which statement is true \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

Organisms include bacteria, protists, fungi, plants, & animals etc.  
Biology is the study of all non living things  
logos means life  
a and b

1. Which of the following is life hierarchy of organization in an ascending (up) order?

Population, community, ecosystem, biosphere  
Population, ecosystem, community, biosphere  
Community, population, ecosystem, biosphere  
all of the above

1. Organ systems \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

composed of organs that carry out a particular function in an organism   
are made of groups of similar cells that carry out a particular function in an organism  
consist of clusters of atoms  
all of the above

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ means all the environments (ecosystems) on Earth that support life

Biosphere  
Community  
Ecosystem  
a and b

1. Reproduction \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

is the ability of organisms to move themselves or their parts  
organized synthesis and break down of molecules  
is the innate fitness of an organism for its environmental  
none of the above

1. A jackrabbit can adjust its body temperature by regulating the amount of blood flowing through its\_\_\_\_\_\_\_\_\_\_\_\_

Ears  
Nose  
Eyes  
none of the above

1. The photosynthetic organisms that provide food are called \_\_\_\_\_\_\_\_\_\_

Producers  
Consumers  
Decomposers  
all of the above

1. \_\_\_\_\_\_\_\_\_\_\_\_ is supported by a large and usually growing body of evidence

Logic  
Theory  
Hypothesis   
Discovery

1. The drawing of the general conclusions that based on specific (observations) is called \_\_\_\_\_\_\_

Inductive reasoning  
Deductive reasoning  
Hypothesis   
all of the above

1. Which statement is true \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

Biology is the study of all living things  
Biology is the study of all non living things  
The term Biology is derived from bioch and log  
none of the above

1. Which of the following is the proper animals hierarchy levels of organization?

Atom, molecule, organelle, cell, tissue, organ, system, organism  
Cell, molecule, organelle, tissue, organ, system, organism, atom  
Tissue, atom, molecule, organelle, cell, organ, system, organism   
none of the above

1. \_\_\_\_\_\_\_\_\_\_ are the simplest entity that has all the properties of life

Cells  
Tissues  
Organs  
a and b

1. Ecosystem means \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

all the organisms (communities) living in a particular area  
all the environments on Earth that support life  
the array of organisms (different populations) living in a particular ecosystem  
a and b

1. Energy processing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

means acquiring energy and transforming it to a form useful for the organism through metabolism  
is the sum of all the chemical reactions in an organism  
is the innate fitness of an organism for its environmental condition  
none of the above

1. Venus flytrap closes its trap in \_\_\_\_\_\_\_ to the environmental stimulus of a house fly

Force  
Evolution  
Reproduction  
none of the above

1. Producers are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Photosynthetic organisms that provide food  
Organisms that eat plants (or animals that profit from plants)  
Organisms that recycled all organic materials (Dead plants and animals)  
a and b

1. A hypothesis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

is a proposed explanation for a set of observations  
must be falsifiable  
Can be rejected  
all of the above

1. \_\_\_\_\_\_\_ draws specific conclusions based on information (facts)

Deductive reasoning  
Inductive reasoning  
Discovery  
a and b

1. Which statement is true \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

Living things are called organisms  
Organisms include bacteria, protists, fungi, plants, & animals etc.  
The term Biology is derived from bioch and log  
a and b

1. Which of the following is the proper animals hierarchy levels of organization?

Atom, molecule, organelle, cell, tissue, organ, system, organism  
Molecule, organelle, cell, tissue, organ, system, organism, atom  
Tissue, atom, molecule, organelle, cell, organ, system, organism   
none of the above

1. \_\_\_\_\_\_\_\_\_\_\_ are membrane-bound structures with different jobs inside Cells

Organelles  
Molecules  
Organs  
all of the above

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ means all the individuals of a species only interbreed with each other within a specific area

Population  
Ecosystem  
Biosphere  
all of the above

1. Motility \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

is the ability of organisms to move themselves or their parts  
is the ability of organisms to respond to environmental stimuli   
is the innate fitness of an organism for its environmental condition  
a and b

1. Venus flytrap closes its trap in \_\_\_\_\_\_\_ to the environmental stimulus of a house fly

Response  
Force  
Reproduction  
none of the above

1. Producers are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Photosynthetic organisms that provide food  
Organisms that eat plants (or animals that profit from plants)  
Plant-eaters   
none of the above

1. A hypothesis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

must be testable   
must be falsifiable  
is a tentative explanation for observations  
all of the above

1. \_\_\_\_\_\_\_ draws general conclusions based on specific observations

Inductive reasoning  
Discovery  
Hypothesis   
none of the above

1. Which statement is true \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

Living things are called atoms  
The term Biology is derived from bioch and log  
bios means science  
none of the above

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Molecule, organelle, cell, tissue, organ, system, organism, atom  
Cell, molecule, organelle, tissue, organ, system, organism, atom  
a and b

1. \_\_\_\_\_\_\_\_ are structures consisting of two or more tissues that perform specialized functions within an organism

Organs  
Organ systems  
Molecules  
a and b

1. Community means \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

the array of organisms (different populations) living in a particular ecosystem  
all the organisms living in a particular area  
all the individuals of a species only interbreed with each other within a specific area  
none of the above

1. \_\_\_\_\_\_\_\_\_ is the process of change that transforms life

Evolution  
Metabolism  
Development  
none of the above

1. When the bear eats the fish, it will use the \_\_\_\_\_\_\_\_\_\_stored in the fish to power its own activities metabolism

Chemical energy  
Mechanical energy  
Functional energy  
none of the above

1. \_\_\_\_\_\_\_\_\_\_\_ are organisms that eat plants (or animals that profit from plants)

Consumers  
Producers  
Decomposers  
all of the above

1. A hypothesis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

is a tentative explanation for observations  
Can be rejected  
Cannot be tested   
a and b

1. \_\_\_\_\_\_\_ draws general conclusions based on specific observations

Inductive reasoning  
Deductive reasoning   
Hypothesis   
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all of the above

1. \_\_\_\_\_\_\_\_\_\_ are the simplest entity that has all the properties of life

Organ systems  
Cells  
Organs  
Tissues

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ means all the organisms (communities) living in a particular area

Ecosystem  
Population  
Biosphere  
none of the above

1. Motility \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

means acquiring energy and transforming it to a form useful for the organism through metabolism  
is the ability of organisms to respond to environmental stimuli   
define as the process of change that transforms life  
none of the above

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Ears  
Nose  
Eyes  
all of the above

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Producers  
Consumers  
Decomposers  
none of the above

1. A hypothesis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

is a proposed explanation for a set of observations  
Can be rejected  
Cannot be tested   
a and b

1. \_\_\_\_\_\_\_ draws specific conclusions based on information (facts)

Deductive reasoning  
Discovery  
Hypothesis   
all of the above

1. Which statement is true \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

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Organisms include bacteria, protists, fungi, plants, & animals etc.  
Biology is the study of all non living things  
a and b

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Population, ecosystem, community, biosphere  
Community, population, ecosystem, biosphere  
Community, ecosystem, biosphere, population  
none of the above

1. Organ systems \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

composed of organs that carry out a particular function in an organism  
are structures consisting of two or more tissues that perform specialized functions within an organism  
consist of clusters of atoms  
none of the above

1. Population means \_\_\_\_\_\_\_\_\_\_\_\_\_\_

all the individuals of a species only interbreed with each other within a specific area  
all the organisms (communities) living in a particular area  
all the environments (ecosystems) on Earth that support life   
a and b

1. Motility \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

organized synthesis and break down of molecules  
is the ability to perpetuate the species, and genes are passed from parent to offspring  
is the innate fitness of an organism for its environmental condition  
none of the above

1. When the bear eats the fish, it will use the \_\_\_\_\_\_\_\_\_\_stored in the fish to power its own activities metabolism

Chemical energy  
Light energy  
Functional energy  
a and b

1. Decomposers are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Organisms that recycled all organic materials (Dead plants and animals)  
Organisms that eat plants (or animals that profit from plants)  
Plant-eaters   
all of the above

1. A hypothesis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

must be testable   
must be falsifiable  
Is supported by a large and usually growing body of evidence  
a and b

1. \_\_\_\_\_\_\_ draws specific conclusions based on information (facts)

Deductive reasoning  
Discovery  
Hypothesis   
all of the above