**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

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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
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a and b

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Inductive reasoning
Deductive reasoning
Hypothesis
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Tissue, atom, molecule, organelle, cell, organ, system, organism
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

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a and b

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

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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