

Description

Instructions

Modify

Add Question Here

ModifyRemove

Question 1

Multiple Choice

0 points

QuestionWhat is the most encompassing level of life's organization?

Answer

a niche

the biosphere

a population

an ecosystem

a community

Add Question Here

ModifyRemove

Question 2

Multiple Choice

0 points

QuestionWhich is the smallest unit of life that can exist as a separate entity?

Answer

a cell

a molecule

an organ

an organelle

an ecosystem

Add Question Here

ModifyRemove

Question 3

Multiple Choice

0 points

QuestionDevelopment and reproduction of an organism is guided by instructions from

Answer

the blood.

the brain.

DNA.

the environment.

RNA.

Add Question Here

ModifyRemove

Question 4

Multiple Choice

0 points

QuestionThe capacity to do work is

Answer

matter.

energy.

metabolism.

aerobic respiration.

life.

Add Question Here

ModifyRemove

Question 5

Multiple Choice

0 points

QuestionThe ability to maintain a constant internal environment is

Answer

metabolism.

homeostasis.

development.

physiology.

thermoregulation.

Add Question Here

ModifyRemove

Question 6

Multiple Choice

0 points

QuestionHomeostasis provides what kind of environment?

Answer

positive

constant

limiting

changing

chemical and physical

Add Question Here

ModifyRemove

Question 7

Multiple Choice

0 points

QuestionThe adjective that best describes homeostasis in living organisms is

Answer

rigid.

biological.

dynamic.

chemical.

physical.

Add Question Here

ModifyRemove

Question 8

Multiple Choice

0 points

QuestionEach cell is able to maintain a constant internal environment. This is called

Answer

metabolism.

homeostasis.

physiology.

adaptation.

evolution.

 [Add Question Here](#)

Question 9



Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question About 12 to 24 hours after the last meal, a person's blood sugar level normally varies from 60 to 90 milligrams per 100 milliliters of blood, though it may rise to 130 mg/100 ml after meals high in carbohydrates. That the blood sugar level is maintained within a fairly narrow range despite uneven intake of sugar is due to the body's ability to carry out

- Answer**
- adaptation.
 - inheritance.
 - metabolism.
 -  homeostasis.
 - all of these.

 [Add Question Here](#)

Question 10




Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question A basic characteristic of life is

- Answer**
- taking in energy and materials.
 - sensing and responding to changes in the environment.
 - reproducing and growing.
 - consisting of one or more cells.
 -  all of these

 [Add Question Here](#)

Question 11



Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question "A change in details of the body plan and functions of organisms through generations" is the definition of

- Answer**
- mutation.
 - homeostasis.
 - physiology.
 -  evolution.
 - respiration.

 [Add Question Here](#)

Question 12




Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question Which of the following would NOT include humans?

- Answer**
- vertebrates
 - animals
 -  protistans
 - primates
 - mammals

 [Add Question Here](#)

Question 13




Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question Which characteristic trait is virtually exclusive to humans?

- Answer**
- ability to think
 - ability to reproduce
 - ability to use tools
 -  great manual dexterity
 - ability to communicate

 [Add Question Here](#)

Question 14



Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question Relative to overall body mass, which human organ is the largest of that in any animal?

- Answer**
- liver
 - stomach
 - heart
 -  brain
 - large intestine

 [Add Question Here](#)

Question 15



Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question Which of the following does not belong in the domain Eukarya?

- Answer**
- Plants
 - Animals
 -  Bacteria
 - Fungi

 [Add Question Here](#)

Question 16




Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question "Vertebrates" refers to animals that possess

- Answer**
- hair.
 - mammary glands.
 - the ability to give birth to live young.
 - lungs.
 -  a backbone.

 [Add Question Here](#)

Question 17



Multiple Choice

0 points

[Modify](#)

[Remove](#)

	<div><div><div><div><div></div><div>Question</div></div><div>The most inclusive level of nature's organization is</div></div><div><div><div>Answer</div><div><div><div>community.</div><div>population.</div><div>ecosystem.</div><div>✓ biosphere.</div><div>biome.</div></div></div></div></div></div></div>	<div><div><div></div><div>Add Question Here</div></div></div>
Question 18	<div><div><div><div><div></div><div>Multiple Choice</div></div><div>0 points</div></div><div><div><div>Question</div><div>At the most basic level of the living world we find</div></div><div><div><div>Answer</div><div><div>✓ atoms.</div><div>cells.</div><div>molecules.</div><div>compounds.</div><div>ions.</div></div></div></div></div></div></div>	<div><div><div></div><div>Modify</div></div><div><div></div><div>Remove</div></div></div>
	<div><div><div></div><div>Add Question Here</div></div></div>	
Question 19	<div><div><div><div><div></div><div>Multiple Choice</div></div><div>0 points</div></div><div><div><div>Question</div><div>Which is the correct order of progression?</div></div><div><div><div>Answer</div><div><div>ecosystem, community, population, organism</div><div>organism, community, population, ecosystem</div><div>✓ organism, population, community, ecosystem</div><div>population, organism, ecosystem, community</div><div>community, organism, population, ecosystem</div></div></div></div></div></div></div>	<div><div><div></div><div>Modify</div></div><div><div></div><div>Remove</div></div></div>
	<div><div><div></div><div>Add Question Here</div></div></div>	
Question 20	<div><div><div><div><div></div><div>Multiple Choice</div></div><div>0 points</div></div><div><div><div>Question</div><div>Which of the following do(es) not depend directly on sunlight for energy?</div></div><div><div><div>I. producers (plants)</div><div>II. consumers (animals)</div><div>III. decomposers (bacteria)</div></div><div><div><div>Answer</div><div><div>I only</div><div>✓ II and III only</div><div>II only</div><div>III only</div><div>I and III only</div></div></div></div></div></div></div></div>	<div><div><div></div><div>Modify</div></div><div><div></div><div>Remove</div></div></div>
	<div><div><div></div><div>Add Question Here</div></div></div>	
Question 21	<div><div><div><div><div></div><div>Multiple Choice</div></div><div>0 points</div></div><div><div><div>Question</div><div>A systematic way of obtaining knowledge about the natural world is</div></div><div><div><div>Answer</div><div><div>an experiment.</div><div>an hypothesis.</div><div>✓ science.</div><div>the variable.</div><div>none of these.</div></div></div></div></div></div></div>	<div><div><div></div><div>Modify</div></div><div><div></div><div>Remove</div></div></div>
	<div><div><div></div><div>Add Question Here</div></div></div>	
Question 22	<div><div><div><div><div></div><div>Multiple Choice</div></div><div>0 points</div></div><div><div><div>Question</div><div>A test carried out under controlled conditions that may be manipulated by a researcher is a(n)</div></div><div><div><div>Answer</div><div><div>✓ experiment.</div><div>hypothesis.</div><div>problem.</div><div>procedure.</div><div>variable.</div></div></div></div></div></div></div>	<div><div><div></div><div>Modify</div></div><div><div></div><div>Remove</div></div></div>
	<div><div><div></div><div>Add Question Here</div></div></div>	
Question 23	<div><div><div><div><div></div><div>Multiple Choice</div></div><div>0 points</div></div><div><div><div>Question</div><div>Of the following, which is a proposed explanation for an observation?</div></div><div><div><div>Answer</div><div><div>principle</div><div>law</div><div>theory</div><div>fact</div><div>✓ hypothesis</div></div></div></div></div></div></div>	<div><div><div></div><div>Modify</div></div><div><div></div><div>Remove</div></div></div>
	<div><div><div></div><div>Add Question Here</div></div></div>	
Question 24	<div><div><div><div><div></div><div>Multiple Choice</div></div><div>0 points</div></div><div><div><div>Question</div><div>The first step in testing an hypothesis is to</div></div><div><div><div>Answer</div><div><div>perform an experiment.</div><div>✓ make a prediction.</div><div>test a prediction.</div><div>analyze data.</div><div>report results.</div></div></div></div></div></div></div>	<div><div><div></div><div>Modify</div></div><div><div></div><div>Remove</div></div></div>
	<div><div><div></div><div>Add Question Here</div></div></div>	
Question 25	<div><div><div><div><div></div><div>Multiple Choice</div></div><div>0 points</div></div></div></div>	<div><div><div></div><div>Modify</div></div><div><div></div><div>Remove</div></div></div>

Question Which of these is designed by researchers to test only a single prediction of a hypothesis at a time?

- Answer**
- ☒ controlled experiment
 - ☐ experimental variable
 - ☐ control group
 - ☐ controlled variable
 - ☐ experimental constant

 [Add Question Here](#)

Question 26

Multiple Choice **0 points**

[Modify](#)

[Remove](#)

Question A scientific approach to studying nature is based on

- Answer**
- ☐ asking questions.
 - ☐ formulating hypotheses.
 - ☐ making predictions.
 - ☐ devising tests and reporting results.
 - ☒ all of these.

 [Add Question Here](#)

Question 27

Multiple Choice **0 points**

[Modify](#)

[Remove](#)

Question Which of the following represents the lowest degree of certainty?

- Answer**
- ☒ hypothesis
 - ☐ conclusion
 - ☐ fact
 - ☐ principle
 - ☐ theory

 [Add Question Here](#)

Question 28

Multiple Choice **0 points**

[Modify](#)

[Remove](#)

Question In order to arrive at a solution to a problem, a scientist usually proposes and tests

- Answer**
- ☐ laws.
 - ☐ theories.
 - ☒ hypotheses.
 - ☐ principles.
 - ☐ facts.

 [Add Question Here](#)

Question 29

Multiple Choice **0 points**

[Modify](#)

[Remove](#)

Question The control in an experiment

- Answer**
- ☐ makes the experiment valid.
 - ☐ is an additional replicate for statistical purposes.
 - ☐ reduces the experimental errors.
 - ☐ minimizes experimental inaccuracy.
 - ☒ allows a standard of comparison for the experimental group.

 [Add Question Here](#)

Question 30

Multiple Choice **0 points**

[Modify](#)

[Remove](#)

Question In an experiment, the control group

- Answer**
- ☐ is not subjected to experimental error.
 - ☐ is exposed to experimental treatments.
 - ☒ is identical to the one being tested except for the variable being studied.
 - ☐ is treated exactly the same as the experimental group, except for the one independent variable.
 - ☐ is statistically the most important part of the experiment.

 [Add Question Here](#)

Question 31

Multiple Choice **0 points**

[Modify](#)

[Remove](#)

Question If a person is using critical thinking to analyze a problem, which of the following would NOT be useful?

- Answer**
- ☒ opinions of others
 - ☐ facts
 - ☐ causes
 - ☐ reliable data
 - ☐ knowing the credentials of sources

 [Add Question Here](#)

Question 32

Multiple Choice **0 points**

[Modify](#)

[Remove](#)

Question Critical thinking means

- Answer**
- ☐ challenging all concepts.
 - ☒ evaluating information before accepting it.
 - ☐ disagreeing with proposed ideas.
 - ☐ making quick decisions.
 - ☐ all of these.

 [Add Question Here](#)

Question 33

Multiple Choice **0 points**

[Modify](#)

[Remove](#)

Question Responsible scientists provide _____ to back up their statements.

- Answer**
- ☐ hypotheses

- ☐ predictions
- ☒ evidence
- ☐ controls
- ☐ problems

 [Add Question Here](#)

Question 34

Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question Which of the following involves a subjective judgment?

- Answer**
- ☐ A fact
 - ☐ A theory
 - ☐ An hypothesis
 - ☒ An opinion
 - ☐ A control

 [Add Question Here](#)

Question 35

Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question The validity of scientific discoveries should be based on

- Answer**
- ☐ morality.
 - ☐ aesthetics.
 - ☐ philosophy.
 - ☐ economics.
 - ☒ none of these.

 [Add Question Here](#)

Question 36

Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question Science is based on

- Answer**
- ☐ faith.
 - ☐ authority.
 - ☒ evidence.
 - ☐ force.
 - ☐ consensus.

 [Add Question Here](#)

Question 37

Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question In science the word "theory"

- Answer**
- ☒ signifies that a hypothesis has been tested and proven over a period of time.
 - ☐ means that a scientist has a hunch something is true.
 - ☐ has essentially the same meaning as "hypothesis."
 - ☐ carries a considerable amount of doubt as to its validity.
 - ☐ none of these.

 [Add Question Here](#)

Question 38

Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question One major strength of science is

- Answer**
- ☐ all theories are correct.
 - ☐ all experiments are successful.
 - ☒ new ideas are considered as new information comes to light.
 - ☐ facts that have been discovered remain unchanged.
 - ☐ all questions may be explained by science.

 [Add Question Here](#)

Question 39

Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question Science does not involve

- Answer**
- ☐ research.
 - ☒ value judgments.
 - ☐ theories.
 - ☐ hypothetical concepts.
 - ☐ controls.

 [Add Question Here](#)

Question 40

Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question After many years of testing, an hypothesis becomes accepted as a

- Answer**
- ☐ problem.
 - ☒ theory.
 - ☐ conclusion.
 - ☐ variable.
 - ☐ control.

 [Add Question Here](#)

Question 41

Multiple Choice

0 points

[Modify](#)

[Remove](#)

Question An agent that can cause disease is a(n)

- Answer**
- ☐ infectivore.
 - ☐ protozoan.
 - ☐ disruptor.

- ☒ pathogen.
- ☐ none of these.

 [Add Question Here](#)

Question 42 ▾

Multiple Choice 0 points

[Modify](#) [Remove](#)

Question The entry of a pathogen into cells or tissues is known as

- Answer**
- ☐ disease.
 - ☐ invasion.
 - ☐ virulence.
 - ☐ incursion.
 - ☒ infection.

 [Add Question Here](#)

Question 43 ▾

Multiple Choice 0 points

[Modify](#) [Remove](#)

Question When the body's defenses can't respond quickly enough to prevent a pathogen's activities from interfering with normal function, ____ develops.

- Answer**
- ☐ infection
 - ☒ disease
 - ☐ incursion
 - ☐ invasion
 - ☐ virulence

 [Add Question Here](#)

Question 44 ▾

Multiple Choice 0 points

[Modify](#) [Remove](#)

Question The most common disease-causing microbes in the human body are

- Answer**
- ☐ bacteria.
 - ☐ viruses.
 - ☐ fungi.
 - ☐ parasitic protists
 - ☒ all of these.

 [Add Question Here](#)

Question 45 ▾

Multiple Choice 0 points

[Modify](#) [Remove](#)

Question Which factor(s) is (are) contributing to the increase in the spread and occurrence of many diseases?

- Answer**
- ☐ International travel
 - ☐ Overuse of antibiotics
 - ☐ Misuse of antibiotics
 - ☐ An increase in the population
 - ☒ All of these

 [Add Question Here](#)

Question 46 ▾

Multiple Choice 0 points

[Modify](#) [Remove](#)

Question Selecting the Exception

Four of the five answers listed below are aspects of the scientific method. Select the exception.

- Answer**
- ☐ observation
 - ☐ hypothesis
 - ☐ experimentation
 - ☒ philosophy
 - ☐ conclusion

 [Add Question Here](#)

Question 47 ▾

Multiple Choice 0 points

[Modify](#) [Remove](#)

Question Selecting the Exception

Four of the five answers listed below are terms associated with valid critical thinking. Select the exception.

- Answer**
- ☒ opinion
 - ☐ cause
 - ☐ facts
 - ☐ reliable sources
 - ☐ evidence

 [Add Question Here](#)

Question 48 ▾

Multiple Choice 0 points

[Modify](#) [Remove](#)

Question Selecting the Exception

Four of the five answers listed below are characteristics of life. Select the exception.

- Answer**
- ☒ ionization
 - ☐ energy usage
 - ☐ reproduction
 - ☐ growth
 - ☐ cellular organization

 [Add Question Here](#)

Question 49 ▾

Multiple Choice 0 points

[Modify](#) [Remove](#)

Question Selecting the Exception

Four of the five answers listed below are life processes that are characteristic of a normal life. Select the exception.

- Answer
- reproduction
-
- energy usage

✔

mutation

 [Add Question Here](#)

Question 50

Multiple Choice

0 points

Modify

Remove

Question Selecting the Exception

Four of the five answers listed below describe human characteristics. Select the exception.

- Answer
-
- development

✔

ability to produce nutrition

 [Add Question Here](#)

Question 51

Matching

0 points

Modify

Remove

Question Classification. Answer the questions by matching the statement to the most appropriate function, process, or trait listed below.

Answer Match Question Items

- C. - A. A process found only in plants and some bacteria.
- E. - B. Most organisms exhibit this characteristic that tends to buffer the effects of environmental change.
- A. - C. A process whereby a researcher can manipulate the conditions under which observations are made.
- B. - D. Describes the change in life over time.
- D. - E. Name of the most inclusive level of organization.

Answer Items

- A. experiment
- B. evolution
- C. photosynthesis
- D. biosphere
- E. homeostasis

 [Add Question Here](#)