

Answer all the questions below:

 Click mouse to reveal answer

1) Unscramble the following words:

aonptadati

clognin

tivoelun

stabainsule

2) Make three sentences using the following nine words or phrases:

genes

cloning

human impact

inherited variation

asexual reproduction

climate change

characteristics

genetic engineering

greenhouse effect

3) Match the word or phrase with the right meaning:

Adaptation



A short piece of DNA that controls a certain characteristic

Evolution



A feature that helps a plant or animal survive in its habitat

Gene



The change in a species from forerunners to present day

Answers:

1) Unscramble the following words:

adaptation

cloning

evolution

sustainable

2) Make three sentences using the following nine words or phrases:

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A feature that helps a plant or animal survive in its habitat

Evolution

The change in a species from forerunners to present day

Gene

A short piece of DNA that controls a certain characteristic

complete the sentence

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Place the right word or words to complete the sentence:



Click mouse to reveal answer

genes

result

rise

gamete

crops

species

fat

population

adapted

- a) Thick fur and body___ helps animals keep warm in cool regions.
- b) Increasing human _____ will lead to a increased depletion of raw materials.
- c) Increased land use for roads or_____ leads to a decrease in the amount of biodiversity.
- d) Global warming is caused by a___ in atmospheric carbon dioxide and methane.
- e) How we look is the _____ of both environmental and inherited variation.
- f) Humans have 46 chromosomes which contain about 30,000 individual_____ .
- g) Sexual reproduction requires both_____cells. In humans this is the sperm and egg cell.
- h) Evolution is the change in _____ over many years from forerunners to present species.
- i) Evolution has resulted in species that are well _____ to their habitats.

complete the sentence

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- h) Evolution is the change in species over many years from forerunners to present species.
- i) Evolution has resulted in species that are well adapted to their habitats.



1: Which of the following is not an example of an adaptation found in animals ?

- A A camel's ability to store water
 - B A dog's large brown eyes
 - C A polar bear's with white fur
 - D A snake's venomous bite
-

2: New forms of genes in plants or animals may result because of ?

- A A mutation
 - B An evolution
 - C An extinction
 - D An adaptation
-

3: Where are cactus plants usually found ?

- A In arctic regions
 - B In mountainous regions
 - C In desert regions
 - D In tropical regions
-

4: In feeding relationships, how might a decrease in prey affect predator numbers ?

- A Predators would remain unchanged
 - B Predators would increase
 - C Predators would decrease
 - D Predators would become extinct
-

multiple choice

1: Which of the following is not an example of an adaptation found in animals ?

A

B A dog's large brown eyes

C

D

2: New forms of genes in plants or animals may result because of ?

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3: Where are cactus plants usually found ?

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C In desert regions

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multiple choice

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Click mouse to reveal answer

5: Differences in how identical twins look are best explained by ?

- A [Inherited variation](#)
 - B [Variation](#)
 - C [Environmental variation](#)
 - D [Lifestyle](#)
-

6: Plants will compete with other plants for which resources ?

- A [Light and space](#)
 - B [Moisture and nutrients](#)
 - C [Light Moisture and space](#)
 - D [Light, moisture, space and nutrients](#)
-

7: The sex cell of an animal or plant is called the ?

- A [The gene](#)
 - B [The gamete](#)
 - C [The nucleus](#)
 - D [The clone](#)
-

8: Approximately how many species have been discovered on Earth to date ?

- A [2000](#)
 - B [20,000](#)
 - C [100,000](#)
 - D [1,500,000](#)
-

multiple choice

5: Differences in how identical twins look are best explained by ?

A

B

C Environmental variation

D

6: Plants will compete with other plants for which resources ?

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D Light, moisture, space and nutrients

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multiple choice

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Click mouse to reveal answer

9: What is the main cause of sulphur dioxide found in the atmosphere ?

- A Forrest fires
 - B Incinerating rubbish
 - C Combusting fossil fuels
 - D Propellants used in deodorants
-

10: What two gases are the main causes of the 'greenhouse effect' ?

- A Methane and carbon dioxide
 - B Carbon dioxide and oxygen
 - C Nitrogen and sulphur dioxide
 - D Nitrous oxide and oxygen
-

11: A strain of GM maize is drought resistant. This is good because ?

- A The seeds will be less expensive
 - B Pests will not effect maize growth
 - C The maize will grow in cooler areas
 - D The maize will grow in arid regions
-

12: Which of the following is not a direct result of global warming ?

- A Ice caps start to melt
 - B Sea levels will rise
 - C Low lying areas will flood
 - D Atmospheric ozone will disappear
-

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C Combusting fossil fuels

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10: What two gases are the main causes of the 'greenhouse effect' ?

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D The maize will grow in arid regions

12: Which of the following is not a direct result of global warming ?

A

B

C

D Atmospheric ozone will disappear

Biology 1B (BLY 1B)

true or false

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Decide whether the following statements are true or false:



[Click mouse to reveal answer](#)

Statements:	True	False
1: Camouflage in animals is a good example of an adaptation ?	True	False
2: Thick fur and body fat helps animals keep cool in hot regions ?	True	False
3: A predator is an animal that eats and catches other animals ?	True	False
4: Human activity does not pollute the environment ?	True	False
5: Increasing human population will lead to a increased depletion of raw materials ?	True	False
6: Increased land use for roads or crops leads to a increase in the amount of biodiversity ?	True	False
7: Global warming is caused by a rise in atmospheric carbon dioxide and methane ?	True	False
8: Pollution indicator species like lichen can tell us how polluted the environment is ?	True	False
9: Using energy efficient machines will not reduce our consumption of fossil fuels ?	True	False
10: Recycling will reduce the amount of land we have to use for landfill rubbish dumps ?	True	False

Biology 1B (BLY 1B)

true or false

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Answers:

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5: Increasing human population will lead to a increased depletion of raw materials ?	True	
6: Increased land use for roads or crops leads to a increase in the amount of biodiversity ?		False
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Biology 1B (BLY 1B)

true or false

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Decide whether the following statements are true or false:



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Statements:	True	False
1: Genes found in the cell nuclei are responsible for our characteristics ?	True	False
2: How we look is the result of inherited variation only ?	True	False
3: Humans have 46 chromosomes which contain about 30,000 individual genes ?	True	False
4: Sexual reproduction requires both gamete cells. In humans this is the sperm and egg cell ?	True	False
5: Asexual reproduction produces offspring that are identical to their parents ?	True	False
6: Sexual reproduction in plant crops is used by growers to produce identical offspring ?	True	False
7: Cloning was first performed in cows producing two calves called bolly and lolly ?	True	False
8: Evolution is the change in species over many years from forerunners to present species ?	True	False
9: Darwin was a creationist who believed in the religious account for life on Earth ?	True	False
10: Evolution has resulted in species that are well adapted to their habitats ?	True	False

Biology 1B (BLY 1B)

true or false

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Answers:

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