

Determine whether each statement below describes traditional or modern classification. A based on similar appearance based on evolutionary relationships

Known as Chadistics

known as Linnaean classification

DONE

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Intro

Answer:

Based on similar appearance - traditional

Based on evolutionary relationships- modern

Known as cladistics- modern

Known as Linnaean classification- traditional

Explanation:

Linnaeus was a Swedish Botanist who was the first to classify organisms based on the structural similarities which organisms had. This method of classification came to be known as the Linnaean classification. Organisms which had more closer resemblances in structures and features had more groups or taxa in common.

The modern system of classification depends on the evolutionary history of organisms. It determines which organisms are more closely and have common ancestors in the past.

Answers for the entire assignment for e2020! This will help future people in order to get a excellent grade! :)

Determine whether each statement below describes traditional or modern classification.

(Answers)

Traditional Classification is based on similar appearance

Modern Classification is based on evolutionary relationships

Modern Classification is known as Cladistics

Traditional Classification is known as Linnaean classification

Which piece of information provided the stimulus for the shift from traditional classification to modern classification?

Answer: An understanding that species share a common ancestor

Fill in the blank below with the vocabulary word that best completes the sentence.

Using a _____ clock, scientists are able to estimate the amount of time that two species have been evolving independently.

Answer: molecular

How does the molecular clock work?

Answer: It compares the number of mutations that exist in the DNA of two different species.

Select the correct word from the drop-down menu to complete the sentences.

_____ are branching diagrams that depict the evolutionary relationship among species.

Answer: Cladograms

_____ is a point in a cladogram where a single ancestral lineage breaks into two or more descendant lineages.

_____ is a group of organisms that includes an ancestor and all of its descendants.

_____ is any named group of organisms, whether they form a clade or not.

Answer(s):

Node

Clade

Taxa

According to the cladogram, which of the following is the derived characteristic shared by amphibians and reptiles?

Answer: Lungs

After much research and DNA analysis it has been determined that species in the same clade are actually more distantly related than originally thought. What is one way that the cladogram may change because of this information?

Answer: A node would be introduced

According to the cladogram, which species are MOST closely related?

Answer: D and E

Use the cladogram about fish to answer the following questions.

Which of the following best describes the organism located at point B?

Answer: Has jaw, but no bones

The organism at location D is the _____ to organisms at location A, B, and C.

Answer: Ancestor

According to the cladogram, arthropods are MOST closely related to which group of organisms?

Answer: annelids

You're welcome! :)

Boss tweed was exposed by this famous cartoonist

6 m nh₃ a basic solution cannot be found on the reagent shelf, but 6m naoh also a base is available, what would be observed if the 6m naoh is substituted for the 6m nh₃, in testing the reference solution

You've started using the SQ3R method of learning. After surveying a reading assignment, you go to the next step, which is question. What does this step involve?

WILL MARK BRAINLIEST What type of energy is present in water at the top of a hydroelectric dam?

Wildfires

Human activity

Seed dispersal by wind

Insects, bees, and wasps

Earth's tilt causes each hemisphere to receive different amounts of _____.

How many yards must you run to complete a 100 meter dash?

Which of the following is 4.15×10^6 in standard notation? A. 41.5000000

B. 415,000

C. 4,150,000

D. 4.15000000

The given line segment has a midpoint at (1, 2). What is the equation, in slope-intercept form, of the perpendicular bisector of the given line segment?

$y = \frac{1}{4}x + 4$

$$y = 4x + 6$$

$$y = x - 4$$

$$y = x - 6$$

Ty and Gajge are both football players who averaged 4 yards per run in yesterday's football game. The statistics from that game are shown in the table below.

Player Name

of

Carries

Average Yards Gained Per Run

Longest Run

(yards)

Shortest Run

(yards)

Ty

15

4.0

6

2

Gajge

10

4.0

19

2

Which statement best describes the data?

The lengths of Ty's runs have greater variability because Ty had more rushing attempts.

The lengths of Gajge's runs have greater variability because there is a greater difference between his longest and shortest runs.

Ty's and Gajge's runs have the same variability because they both average 4.0 yards per carry.

Ty's and Gajge's runs have the same variability because they both had the same length shortest run.

True or false: Migration doesn't really affect population—it's just a shifting of people from one place to another.

If two angles form a linear pair and the measure of the first angle is three times the measure of the second angle, what is the measure of each angle?

Marty is holding a meeting with his staff and volunteers to solicit their ideas for organizational improvement. Marty is applying which type of capacity as described by Letts

Pizz reply soon Which best describes language differences between the Western Roman Empire and the Eastern Roman Empire?

1. People in the East spoke Greek, while people in the West spoke Latin.

2. People in the East spoke Arabic, while people in the West spoke Italian.
3. People in the East spoke Italian, while people in the West spoke Arabic.
4. People in the East spoke Latin, while people in the West spoke Greek.

Why did Abraham Lincoln issue the writ of habeas corpus?

What's the product of $(s+t)(3s-4t)$

There are two sizes of trucks available: larger truck with a 2.5-ton payload, and smaller trucks with 1.5-ton payload. To unload a freight train 21 larger trucks are needed. How many smaller trucks would be needed for the same job?

the average adult horse needs $\frac{2}{5}$ bale of hay each day to meet dietary requirements. And horse farm has 44 bales of hay. How many horses can be fed in one day with 44 bales of hay?

3. What effect did South Carolina's railroad from Charleston to Hamburg have on Georgia?

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