

An atom has 5 protons and 7 neutrons. What is its mass number?

Mass number = protons + neutrons

mass number = 5 + 7

mass number = 12 Mass number = No. of protons + No. of neutrons

= 5 + 7

= 12 u.

Thus, the answer is 12 u.

A figure in the second quadrant is reflected over the y-axis. In which quadrant will the reflected figure appear?

Consider this equation.

$$10x - 6 = 3(5 + x)$$

what is the value of x that makes this equation true?

In Lewis Carroll's *Through the Looking-Glass*, the Red Queen tells Alice, "in this place it takes all the running you can do to stay in the same place." How is this statement logically connected with the idea of evolution by natural selection? A. As individuals evolve to better fit their environment, their environment also changes, subjecting the individuals to continually changing selective pressures.

B. Running in place is an important measure of optimal running speed, which is a strong correlate of survival and reproduction.

C. As populations evolve to become better adapted to their environments, their environments also change, subjecting the populations to continually changing selective pressures.

D. As individuals evolve through natural selection, they tend to develop characteristics that cause them to be less adapted to their environment.

E. As individuals evolve through natural selection, they tend to move to new places that are very similar to the places in which they originally evolved.

When we think we are interested in knowing someone and think about approaching them, especially someone from outside our racial or social group, we assume our body language will show our interest. This is an example of:

What does index fossil mean?

Name two living resources from the ocean

Is social stability worth the price? In *Brave New World*

Help, please DONT DELETE PLEASE I AM BEGGING YOU The plant provides sugars for the fungi. What do the fungi provide the plant?

What is a good hook for speech about puppies?

If an unknown element has a mass of 17 and contains 6 neutrons, how many protons does it have?

If I am 12 years old, how many times have I revolved around the sun? Explain.

The Tyndall effect is used to distinguish between

List the factors of 48 that are composite

They listen to others and know a lot about everyone else

What is a phase diagram

Alpha and beta particles are similar because they both: have the same mass

have the same charge

are physical particles of matter

have the same penetration abilities

On a number line, point A has a coordinate of -6 , and point B has a coordinate of 2 . Which is the coordinate of point M, the midpoint of AB? A:4

B:2

C:0

D:3

Which of these is an example of a physical change? a banana ripening in the air hydrogen burning in the air zinc reacting with an acid liquid water turning into vapor

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