

**For most genes on the human X chromosome, what percent of XY males with a mutant allele on the X chromosome will express the mutant phenotype? A., 0%  
B., 25%  
C., 50%  
D., 100%  
E., There is insufficient data to predict**

Answer:

D. 100%

Explanation:

In humans, males have only one copy of the X chromosome in their cells. Therefore, human males express all the X-linked genes present on their X chromosomes irrespective of the recessive or dominant nature of the allele. This occurs since males do not have one more copy of the X chromosome to carry another allele for the gene. So, all the X-linked alleles present on the X-chromosomes of the human males are expressed.

For example, human males with genotype  $X^cY$  and  $X^hY$  express colorblindness and hemophilia respectively. Though, human females express these recessive X-linked disorders in homozygous genotype only.

If an individual performs walking as the primary activity for enhancing fitness, that individual's cardiovascular fitness would be best measured: A) on a cycle ergometer

B) on a motorized treadmill

C) on an elliptical machine

D) using the equipment most readily available for testing

Can someone write this and make it sound supper smart pleaseeee ! Write 6 facts about adolf hitler

1When he took power?

2What country they ruled?

3Which political party did he belong to?

And 3 more awesome and interesting facts about him!

Solve for c.  $A=b-c/c$

The best way to describe language divergence is as \_\_\_\_\_.

What should I write in the summarizing statement in the research report of the similarities and differences between the heart and the brain? And in the closing sentence? Those are in the conclusion please help

?name three effects that kafka's word choices have on the story as a whole

The year is 1714. You are in a dark Spanish prison. You wake up to find yourself tied to a table with ropes. In the darkness you hear a rhythmic swishing sound- something going back and forth, back and forth. Eventually your eyes get accustomed to the dark and see that the source of the sound is a sharp blade at the end of a long pendulum that's swinging back and forth over your body. With each sweep it gets a little lower- and a little closer to your chest. You note how long it takes between those swishes: exactly 7 seconds. And with each swish, the blade drops 1 inch lower. The last passing was only 15 inches above your chest. It won't be much longer before the blade slices right through you. Should you scream for help? That would probably just summon a guard, who would run through with a sword then and there. But wait! You see a rat by your arms and he's gnawing at the rope that binds you to the table. In fact, he has only 1 minute to go before he gnaws through it all the way. When he does that, you can get free! Will the rat chew through the rope before or after the blade has slashed through your chest? How much time do you have exactly?

All of the following increase from left to right across the second period of the periodic table (Na - Ar) EXCEPT effective nuclear charge  
number of core electrons

number of valence electrons

atomic number

Is the following true or false? Both water droplets and solid particles are suspended in the atmosphere.

What is  $2+2$  In decimal form

Which statement describes an element? Check all that apply. An element is a pure substance that cannot be broken down into a simpler form.

An element is made of two or more atoms that are chemically combined.

All elements are listed on the periodic table of elements.

An element symbol begins with a capital letter; if there is a second or even third letter, it is a lowercase letter.

5. Can offspring with the same traits have different parents? Explain.?

Which best identifies the character type(s) represented by Mr. Lacey in "Stray"? Question 4 options:

Mr. Lacey is a main character.

Mr. Lacey is a minor character.

Mr. Lacey is a dynamic character.

Mr. Lacey is both a dynamic and a main character.

What happened to the surviving pirate from captain phillips?

Drawing a vowel from letter tiles that spell out MATHEMATICS.

Roger Bannister ran 5,280 feet in 4 minutes.

(feet per second) (HINT: 4 min= \_\_\_\_\_?)

Write down two ways how Ricci contrasted the Chinese from Europeans.

Read this passage from Act V. From The Tragedy of Macbeth by William Shakespeare

MACBETH.

Accursèd be that tongue that tells me so,

For it hath cowed my better part of man!

And be these juggling fiends no more believed,

That palter with us in a double sense;

That keep the word of promise to our ear,

And break it to our hope. I'll not fight with thee.

What do these lines suggest about the beliefs of the time in which The Tragedy of Macbeth was written?

People believed in the power of curses.

People were afraid of witches.

People believed in the power of prophecies.

People had respect for their king.

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