

# What will occur if solution A containing 400 mosmol/L non-penetrating solute is separated by a biological membrane from solution B containing 600 mosmol/L non-penetrating solute?

Answer:

The volume of solution B will increase

Explanation:

In a non-penetrating solute, there is denial of a solute to cross the cell membrane. This implies that the solute will not be able to cross the cell membrane. So if the biological membrane is serving as a partition between a solution A containing 400 mosmol/L non-penetrating solute and a solution B containing 600 mosmol/L non-penetrating solute, The volume of solution B will increase.

Analogy question: stubborn is to cooperative...as...excited is to?

What was one major similarity between the soviet union under joseph stalin and fascist italy under benito mussolini?

The diagram shows embryo development of four different animals how is this evidence used to suggest that life changes over time A. These stages indicate that animals within a species must have changed over time.

B. The DNA of all these life forms begins exactly the same and then changes over time as it replicates to produce the organisms different traits.

C. Late-Stage embryonic development illustrates how acquired characteristics have caused these species to become more differentiated over time.

D. Striking similarities at early development stages is evidence that they came from a common ancestor.

A Web music store offers two versions of a popular song. The size of the standard version is 2.5 megabytes (MB). The size of the high-quality version is

4.5

MB. Yesterday, the high-quality version was downloaded four times as often as the standard version. The total size downloaded for the two versions was 5740

MB. How many downloads of the standard version were there?

Eli evaluated  $23 \div 38$  and got an answer of 179. Which statement about his answer is true? CLEAR CHECK It is incorrect because thirds and eighths cannot be divided to make ninths. It is correct because 38 of 23 is 179. It is correct because  $179 \cdot 38$  equals 23. It is incorrect because a quotient cannot be greater than the number that is divided.

Federal judges determine the constitutionality of laws based upon interpreting the constitution rather than through what is popular. True or false

A student was comparing the solubility of equal amounts of table salt and table sugar at different temperatures. The table below shows the four samples that the student used and the temperature of the water that they were dissolved in.

Sample Name	Chemical formula	Temperature of water (°C)
1 Table sugar	$C_{12}H_{22}O_{11}$	80
2 Table sugar	$C_{12}H_{22}O_{11}$	45
3 Table salt NaCl	$NaCl$	55
4 Table salt NaCl	$NaCl$	63

Which of the samples most likely had the highest solubility?

Freud thought that the part of a dream that we remember is a censored version of

A pack of cinnamon-scented pencils sells for \$9.00. What is the sales tax rate if the total cost of the pencils is \$9.63

You have 1 case of soap bars and there are 150 bars in a case. You use 300 bars of soap per day. How many cases do you need to order to have enough for 7 days? \* 11 12 13 14

. Convert 255 from decimal to binary. Show your work.

Radical fractures in a piece of glass look like

Two gas samples have the same number of molecules, the same volume, and the same pressure. Which of the following could be true? A. The first gas sample has a temperature of 273 K, and the second gas sample has a temperature of 0°C. B. The first gas sample has a temperature of 273 K, and the second gas sample has a temperature of 298 K. C. The first gas sample has a temperature of 273 K, and the second gas sample has a temperature of 273°C. D. The first gas sample has a temperature of 273 K, and the second gas sample has a temperature of 100°C.

Chase bought a rectangular notepad that measured 5 inches by 8 inches. What was the area of the notepad?

A.  
13 in<sup>2</sup>

B.  
36 in<sup>2</sup>

C.  
40 in<sup>2</sup>

D.  
42 in<sup>2</sup>

Find  $\frac{2}{5}\%$  of 2000

Help

6. Which of the following are NOT physical causes of mental disorders? 'a. brain tumors  
c. alcohol abuse

b. drug abuse

d. early childhood experiences

Lindsay and Menon have 1,240 stickers. Menon has 4 times as many stickers as Lindsay. Menon decides to have 6 stickers on each page of an album. a. How many stickers does Menon have? b. After Menon fills some pages in album, how many stickers are left over? c. How many stickers does he need to complete one more page?

Why is travel an important value for work??

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