

**Cells usually cannot use heat to power mechanical work because (2 points)**

**Question 2 options:**

**1)**

**after several energy conversions, there is not enough energy in heat to power cellular functions**

**2)**

**as the heat increases the cell's temperature, it must be released to prevent cell damage**

**3)**

**heat is a waste product of chemical reactions and not a true form of kinetic or potential energy**

**4)**

**there is not enough of a temperature difference within the cell for heat to be able to flow**

The answer is; option 2

The cell must maintain a homeostatic temperatures of 37 degrees centigrade in humans. Therefore heat is less likely to be used to power mechanical work because it has to be kept constant. Heat ,also, cannot be stored when it increases in the cell, the way energy is stored in chemical bonds in ATPs.

1. Which of the following doesn't describe an MDC? A. It's highly industrialized.  
B. It has undergone the demographic transition.  
C. It generally experiences replacement reproduction.  
D. Its age structure diagram resembles a pyramid.

One steep slopes and mountains helps reduce erosion by creating level areas for crops

Which of the following is a characteristic of resilience?

What is the strength of "the governor versus the legislature"?

How was the Roman public assembly different from its senate?

Tropical climate zones are located in the low latitudes. Please select the best answer from the choices provided T F

Factor the expressions:

$20k + 50$

$10h + 6 - 5h + 3$

Thanks:)

Write a MIPS assembly language program that accomplishes the following tasks: The program will prompt the user to enter an integer  $k$  between 1 and 10. If the entered  $k$  is out of range just have the program exit. Depending on the  $k$  value implement the following cases: case 1: if  $1 \leq k < 5$  Have  $n$  ( $n \geq 0$ ) be prompted from the user. compute  $\text{Func}(n)$ : if ( $n = 0$  or  $n = 1$ ) then  $\text{Func}(n) = 20$  else  $\text{Func}(n) = 5 * \text{Func}(n-2) + n$ ; Display a result\_message together with the numeric value of the result. Repeat (meaning prompt the user for  $n$ ) case 2: if  $5 \leq k \leq 10$  Display a joke. Your program should be well documented with comments. Your console output should include helpful prompts for the user.

According to George Washington, what was one reason a president should veto a bill?

Why can't chemical changes be reversed?

Which of the following is an equivalent form of the compound inequality  $22 > 5x + 7 > 3$  or  $5x + 7 < 22$  and  $5x + 7 > 3$

$5x + 7 > 22$  and  $5x + 7 > 3$

$5x > 22$  and  $7 > 3$

$5x + 7 < 22$  and  $5x + 7 > 3$

How does size influence the appearance of a star? Give an example in your response ILL GIVE 40PTS

What was the name of the daughter of King Henry and Anne of Cleves??

Why did Mesopotamian priests have the power they did? a. They could communicate directly with gods.

b. They were thought to predict the future.

c. They helped to build the infrastructure that supported the economy.

d. They interpreted dreams.

ASAP One angle measure in an acute isosceles triangle is  $20^\circ$ . What is the measure of one of the other angles?

$80^\circ$

$20^\circ$

$140^\circ$

$160^\circ$

Which statement best describes a mil

Two months after the Japanese attack on Pearl Harbor, President Franklin Roosevelt (1933–45) issued an executive order for the evacuation of all 110,000 people of Japanese ancestry who resided west of the Rocky Mountains and their placement in relocation camps. Congress ratified the president's order, and in 1944 the Supreme Court endorsed it in \_\_\_\_\_, ruling that the authority for relocation was within the war power of the United States.

What is the value of  $y$ ? A. 60 B. 120 C. 36 D. Cannot be determined

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