#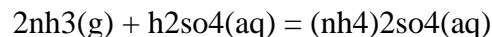 The fertilizer ammonium sulfate, (nh4)2so4, is prepared by the reaction between ammonia (nh3) and sulfuric acid: 2nh3(g) + h2so4(aq) ? (nh4)2so4(aq) how many kilograms of nh3 are needed to produce 3.60 × 105 kg of (nh4)2so4?

The chemical reaction would be:

2nh3(g) + h2so4(aq) = (nh4)2so4(aq)

To determine the ammonia needed, we use the given amount of the product to be produced and use the chemical equation to relate the substances. We do as follows:

3.60 × 105 kg (nh4)2so4 (1 kmol / 132.14 kg) (2 kmol NH3 / 1 kmol (nh4)2so4) (17.04 kg / 1 kmol) = 92846.98 kg NH3 needed

The magnetic field in a region of space centered on the origin has cylindrical symmetry and is given by B~ = B0?ˆ where B0 is a constant and ?ˆ is the azimuthal direction in cylindrical coordinates. What is the current density in this region of space?

HELP FAST!!!!!!!!!!!! Choose one of these issues to research:

bullying

hunger

Choose one of these formats for your presentation:

letter to a newspaper editor

slideshow presentation

Your presentation should address all the following questions:

What is your chosen issue?

Why is this issue a problem in your state or local area?

What government agencies and citizen groups would likely address the issue? What is the ultimate goal to address this issue? (In other words, how will you know the problem is solved?)

What are the public policy alternatives to address the issue?

What is one positive and one negative outcome for each possible policy alternative?

What is the best plan to get the policy enacted?

How can citizens get involved to help enact the policy?'
The _____ effect is described as the discrepancy between candidates' high poll ratings and election performance, caused by supporters' assumption that an easy win means they need not turn out.
All of the following are types of lyric poetry except; A. tankas.
B. ballads.
C. sonnets.
D. madrigals.
On January 1, the Kings Corporation issued 10% bonds with a face value of $96,000. The bonds are sold for $94,080. The bonds pay interest semiannually on June 30 and December 31 and the maturity date is December 31, ten years from now. Kings records straight-line amortization of the bond discount. Determine the bond interest expense for the year ended December 31 of the first year is.
Savannah practice ballet in 1.67 hours on Monday on Wednesday she practice for 3.25 how much longer did savannah practice on Wednesday than on Monday
Which of these pairings is incorrect? blood cells, components of blood
neurons, conduct electrical impulses
epithelial cells, react to stimuli
muscle cells, elongated cells that can contract
Before the construction of the Panama Canal, what were the ways to move people or goods between New York and San Francisco? Before the construction of the Panama Canal, what were the ways to move people or goods between New York and San Francisco? Select two options.

1) by flying via plane across the continent
2) by sailing all the way around the globe
3) by traveling overland across North America
4) by sailing all the way around South America
5) by sailing to Panama and traveling across on foot

Select all that apply. Which of these is an example of pathos? What kind of pet owner would you be if you didn't buy your dog a Fetchem-Catchem football Try Becky's Biscuits, the trusted name in baked goods for more than 50 years.Eating broccoli and other dark green vegetables cuts the risk of cancer by up to 30 percent. As you can see, eating a healthy diet is very beneficial.If your brake job is not done correctly, we will repair it for free. After all, you don't get to be the number one mechanic in the country by not guaranteeing your work.Don't be the only one on the block who doesn't own a Patio-tastic Pool. What will you do while all the others are having fun?

Ravi ran 200 metres race in sports day. He feels that his heart was beating faster than usual. a) Why was his heart beating faster? b) Which all organs are involved along with the heart to help Ravi complete his race?

The Incident Command depends on me to make sure that all incident personnel have the supplies, equipment, and support they need. Who am I? A. Planning Section Chief
B. Operations Section Chief
C. Logistics Section Chief
D. Finance/Administration Section Chief

When tori was looking for housing in the fall, she saw a "for rent" sign on a house near her school. though she tried the number on the sign repeatedly, no one answered the phone and there was no way to leave a message. marketing did not occur because multiple choice tori probably did not have a true need for this house. the house was too expensive for tori to afford. whoever was renting the home had poor customer service. there was no way for the parties to communicate. there is a lot of competition in the rental market?

Chitinase is a protein that breaks down the cell walls of pathogenic fungi when they attack plants. What sort of response is this?

Find the measure of angle CKJ if the measure of angle LKC is x + 96, the measure of angle LKJ is 131 degrees, and the measure of angle CKJ is x + 53.

What did Abraham Lincoln state in the Emancipation Proclamation? A. He declared that the American Civil War was over. B. He declared that slaves in rebellious states were free. C. He commanded all Union states to free their remaining slaves. D. He commanded the Confederate States to rejoin the Union.

What is the product? (-2x -9y^2) (-4x -3)

Which is the correct order of materials in terms of reflectivity, from least to greatest?brown soil, beige sand, white paper, black asphalt

How can carbon dioxide be considered a pollutant when it is a natural component of air? a. Carbon dioxide is considered a pollutant even though it is a natural component of air, because it is
harmful to all living organisms.
b. Carbon dioxide is considered a pollutant when larger concentrations than normal are present in the
air as a result of human activity
?. Carbon dioxide is considered a pollutant, because it forms harmful chemicals when mixed with other
pollutants in the air.
d. Carbon dioxide cannot be considered a pollutant under any circumstances.?