

Use a sheet of paper to answer the following question. Take a picture of your answers and attach to this assignment. Alkylation of benzene with 1-chlorobutane in the presence of AlCl_3 gave not only the expected butylbenzene product but also, as a major product, (1-methylpropyl)benzene. Write an equation for the reaction Propose a mechanism to account for the formation of butylbenzene Propose a mechanism to account for the formation of (1-methylpropyl)benzene.

Answer:

AlCl_3

Explanation:

Fill in the blank : 1. Earth rotates from _____ to _____.

La semana que viene Miguel y sus amigos de la escuela _____ en las montañas. acampará
acamparán

acamparé

acamparás

If an island's only residents are penguins and bears, and if there are 14 heads and 30 feet on the island, how many penguins and how many bears are on the island?

Match the following types of government with Aristotle's definition of them: leader works for the good of the people

leader works his own benefit

a few working for the good of the people

a few working for their own benefit

the rule of many for the benefit of all

dangerous mob self-rule

Word Bank

democracy

polity

aristocracy

tyranny

oligarchy

monarchy

?

capital allocation process Aa Aa The capital allocation process involves the transfer of capital among different entities that include individuals, small businesses, banks, financial intermediaries, companies, mutual funds, and other market participants. In a developed market economy, capital flows freely between entities that want to supply capital to those who want it. This flow of capital can be classified in three ways. In the table below, identify the nature of capital transfer given in the scenario with its appropriate classification: Indirect Transfers Indirect Transfers through Financial through Investment Intermediaries Banks Direct Transfers Scenario California Public Employees' Retirement System (CalPERS) manages pension and health benefits of California public employees and retirees. CalPERS collects money from its participants and creates a pool of assets. It manages these assets by making investments across domestic and international markets. xEdu.com is an early-stage start-up company that plans to issue its first public common stock-called an initial public offering (IPO)-in six months. It hires an investment bank to underwrite the issue. A small startup firm has each of the partners contribute \$50,000 in capital to help the company make payroll for the next three months. Steve's grandfather loans him \$30,000 to start a small coffee shop in the East Village in Manhattan. O

In order for an object to accelerate, a forcegravityfrictiona swing must be applied.

Which colony was started bu businessmen/adventures

at an animal shelter 12% of the cats are ssiamese. if there are 75 cats at the shelter,how many are siamese

The children of teenage mothers are more likely to have lower school achievement and to drop out of high school, have more health problems, be incarcerated at some time during adolescence, give birth as a teenager, and face unemployment as a young adult.

Numbers like 7.478478... and 2.3565656... are rational or irrational. Give reason .

Cathy just found out that they are getting a new microscope in the lab. In order to make room for it, she needs to clean up. She gathers together the lab personnel and asks them to all assume a role on the clean-up team. Which characteristic best describes Cathy's behavior? Cathy shows cultural sensitivity.

Cathy shows empathy.

Cathy exhibits leadership abilities.

Cathy exhibits diligenc

Suppose that to make the golf team you need to score no more than 74 on average over 5 games. If you scored 77, 71, 77, and 67 in your first 4 games what is the highest score you can shoot in you 5th game and still make the team

A small town surveyed 250 adults, 180 of whom were parents, about whether a park should be expanded. The results showed that 150 of the adults who were parents and 40 of the adults who were not parents thought the park should be expanded. Use this information to complete the two-way table below. Enter the correct values in the boxes.

Should the park be expanded?

(yes) (no)

(parents) answer answer

(not parents) answer answer

Which statement BEST describes the effects that stress has on the immune system?

Plz help thanks! Arusha draws a rectangular prism that is made up of two connector cubes each with edge length e . The surface Area of the rectangle prism is represented by the formula $SA=10e^2$ and the volume of the prism is represented by the formula $V= 2e^3$. What is the surface area of the prism is the edge length of each connector cube is 5 cm?

Trey's family has been walking together for 20 minutes at least three days per week for the past four weeks. They already have so much more energy, and they want to continue to improve. How could Trey's family apply the FITT principles to make their walking routine more effective? Add push-ups to their routine

Replace one walk with a bike ride

Add an extra day of walking each week

Wear new shoes to walk faster

During very difficult workouts, you work hard and breathe heavily.

What should the words in italics be replaced with to make this sentence more precise?

High frequency

Low intensity

High intensity

Low frequency

4 days ago, Emily blew up a balloon (that is a perfect sphere) to a radius of 5 cm. Since then, the balloon has lost air and decreased by 0.5 cm each day. What is the ratio of the current volume of the balloon to the volume of the balloon 444 days ago?

A) $\frac{27}{25}$

B) $\frac{9}{25}$

C) $\frac{1}{3}$

D) $\frac{3}{5}$

PLEASE HELPP !!!!!!!!!!!!!!!

If a , b and c are positive integers such that $a + b = 9$ and $ac + 2bc = 0$, what is the value of a ?

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