

# A strand of DNA contains the sequence GGC-CAT. What is the complementary strand of mRNA for this sequence?

CCG-GUA is the mRNA

CCG-GUA :) (because its an mRNA strand it can't have the amino acid Thymine or (T) so we replace it with a U.

What three factors determine the specific type of igneous rock that forms from magma?

A rectangular prism has dimensions 8 inches by 2 inches by 32 inches. if a cube has the same volume as the prism, what is the surface area of the cube, in square inches?

A gymnast is in a tucked position to complete her somersaults. While tucked her moment of inertia about an axis through the center of her body is  $16.0 \text{ kg}\cdot\text{m}^2$  and she rotates at  $2.5 \text{ rev/s}$ . When she kicks out of her tuck into a straight position, her moment of inertia becomes  $19.5 \text{ kg}\cdot\text{m}^2$ . What is her rate of rotation after she straightens out?

What molecule does dna store the instructions for building

Mother Teresa was the \_\_\_\_\_ of love and caring. A. philanthropy

B. epitome

C. anatomy

D. dichotomy

A proposed null hypothesis states that there is no difference in the population mean heights of two neighboring districts. The difference of the sample means is 10 cm, and the standard deviation of the difference of sample means is 6 cm. Which conclusion can we draw at the 68% confidence level?

Brazil's 1956 Development Plan designated what city as the site of the country's foreign-led automobile industry beginning with Volkswagen? (A) Belo Horizonte

(B) Curitiba

(C) São Paulo

(D) Rio de Janeiro

How can you determine how much energy a food item contains? A. taste the food

B. weigh the food

C. look at amount of Calories

D. look at what color the food is

Z is the midpoint of YA. If  $YZ = x + 12$ , and  $ZA = 6x - 13$ , what is YA?

What does Docile mean?

Which Chinese philosophy formed the basis for Korea's government during the Tang dynasty?

Sir Robert Peel early Policing

2.) A plane wall is made of brick with a thermal conductivity of  $1.5 \text{ W}/(\text{m}\cdot\text{K})$ . The wall is 20 cm thick and has a surface area of  $10 \text{ m}^2$ . One side of the wall is exposed to outside air blowing against the wall resulting in a heat transfer coefficient of  $20 \text{ W}/(\text{m}^2 \cdot \text{K})$ . The other side is exposed to an air-conditioned room with a convective heat transfer coefficient of  $5 \text{ W}/(\text{m}^2 \cdot \text{K})$ . a. What are the thermal resistances corresponding to conduction through the wall and convection at

each wall surface? b. For every 1 °C of temperature difference between the outside and inside air, how much additional cooling power is required from the air conditioner?

What type of intermolecular force occurs between polar molecules? A) dipole-dipole force

B) hydrogen bonding

C) induced dipole force

D) polar covalent bonding

Who was a civil rights activist that emerged during the 1930s and planned a march during Franklin D. Roosevelt's administration?

Which of the following scientists wrote to Darwin and explained his ideas on how evolution occurred?

"Beware of Trojan Horses" is a common piece of advice. Explain the historical context of this phrase.

The price of a sandwich is \$1.50 more than the price of a smoothie, which is  $d$  dollars. What does the expression  $d + 1.5$  represent?

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