

**Manatees, aquatic mammals inhabiting Florida's rivers and coastal waters, swim close to the surface and are frequently killed in collisions with boats. To address the problem, boat traffic in manatee-populated waters is being required to maintain very low speeds. Unfortunately, manatees are unable to hear low-pitched sounds and a boat's sound lowers in pitch as the boat slows. Therefore, this approach may in fact make things worse rather than better. Which of the following, if true, casts most doubt on the conclusion?**

**(A) The areas where boats would have to maintain low speeds were decided partly on the basis of manatee-population estimates and partly from numbers of reported collisions between manatees and boats.**

**(B) Because the water hyacinth that manatees feed on grows best in water that is nearly still, water hyacinth beds can be disturbed or damaged by fast-moving boat traffic.**

**(C) Over the last several decades, boat traffic in Florida's coastal waters has been increasing almost continuously and now represents the greatest threat to the endangered manatee population.**

**(D) The sound of a boat engine generally travels much further under water than it does through the air.**

**(E) When experimenters exposed manatees to**

**the recorded sounds of boats moving at various speeds, the creatures were unable to discern the sounds over normal-background noise.**

Answer: (E) When experimenters exposed manatees to the recorded sounds of boats moving at various speeds, the creatures were unable to discern the sounds over normal-background noise.

Explanation:

E is true and casts most doubt because it facilitates an experimental approach towards a given assumption. The manatees were exposed to the recorded sounds of the boats they were actually incapable of perceiving the change in sound and this clearly weakens the given argument that manatees are unable to hear the low pitched sounds when the boat gets slow.

What is 7 billion in standard form?

What happens as blood passes through the capillaries in the small intestine

One serving of granola provides 4% of the protein you need daily. You must get the remaining 48 grams from other sources. How many grams of protein do you need daily?

Some oil tankers can carry as much as 4 million barrels of oil. If an accident occurred and one of these tankers emptied all of the oil into the ocean, how much area would the resulting slick cover, if we assume the slick is one molecule thick? Assume a molecule of oil is a cube that measures 50 micrometers across and a barrel of oil contains approximately 160 liters.

It's considered to be an advantage to have lungs with increased capacity, because with increased capacity

- A. the chest looks more "buff."

- B. anaerobic exercise is easier.

- C. the lungs will fight off colds and influenza.

- D. the lungs can better exchange oxygen and waste products in the blood.

What is  $a(4-x) = 3x+b$ ??

Which one of these character traits could be used to describe Phileas Fogg, the character presented in our story today? Question 5 options: A)funny B)a person who prefers to be alone C)hungry D)a person who loves exercise

A drug that inhibits the release of norepinephrine will have the greatest affect on:

A virus's protein coat, or , helps trick a host cell to take in the virus. Viruses that infect bacteria are called ; some cause a , in which viral enzymes , or rupture, the bacterium's cell wall, while others cause a , in which the virus may remain inactive for many cell divisions.

A convex polyhedron has 30 edges and 8 fewer vertices than faces. How many faces does the polyhedron have?

The use of kamikaze tactics was particularly significant because

- a. They led to the deaths of hundreds of thousands of Allied

- b. They convinced many people in the U.S. that the Japanese would never willingly surrender

- c. they magnified the growing split between Japanese and Chinese forces

d. They were an effective strategy to combat the nighttime allied sorties using napalm fire bombs

Jazz music has nothing in common with classical music.

Name the algebraic property demonstrated in the example below: If  $x = 3$  and  $3 = y$ , then  $x = y$ .

1. Simplify.  $(343)^{1/3}$  2.  $3^{-5} \cdot 12$

3.  $4^{-2} \cdot 401$

Please answer all three, thank you.

A carpenter uses a crowbar to remove the top of a box. the top has a resistance of 500 n. the carpenter applies an input force of 250 n. what is the mechanical advantage of the crowbar  
a carpenter uses a crowbar to remove the top of a box. the top has a resistance of 500 n. the carpenter applies an input force of 250 n. what is the mechanical advantage of the crowbar?

Why did craft guilds form in the Middle Ages? To eliminate the growing number of merchant guilds in European towns

To address religious and political corruption

To eliminate competition between artisans

to provide structure and support for artisans who shared a trade

"why are primary and secondary alcohols relatively easy to oxidize but tertiary alcohols resist oxidation"

A box with a volume of 40 cubic inches holds 10 balls. A box with a volume of 60 cubic inches holds 15 of the same kinds of balls. Assume the relationship is linear. Which equation models the relationship between the volume,  $x$ , and the number of balls  $y$  ? A).  $y = 0.25x + 10$

B).  $0.25x$

C).  $y = 4x$

D).  $y = 4x + 60$

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