

**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.

The first inhabitants of Oceania are believed to have come from which continent? Europe

Asia

Africa

South America

3. A man of mass 80 kg standing at the top of a tall building has 96000 J of G.P.E. How tall is the building?

The Film „The Ark" Write a Summary on How was the director of the film referring to the Bible? Write min. 250 words

The driver of a car slams on the brakes when he sees a tree blocking the road. The car slows uniformly with acceleration of  $-5.65 \text{ m/s}^2$  for 4.00 s, making straight skid marks 62.9 m long, all the way to the tree. With what speed (in m/s) does the car then strike the tree?

How did Pennsylvania settlers undermine William Penn's vision for his proprietary colony?

A reinforcer is a consequence that \_\_\_\_\_ a behavior, while a punisher is a consequence that \_\_\_\_\_ a behavior.

Paying taxes in a democracy is considered A. a duty.

B. an opportunity.

C. a compromise.

D. a process.

30. Find the vector  $\mathbf{v}$  with the given magnitude and the same direction as  $\mathbf{u}$ .  $\|\mathbf{v}\| = 3$

$\mathbf{u} = (4, -4)$  ...?

Elements can be separated into simpler substance by chemical reactions.

- a. True
- b. False

What is 3.8 as a fraction

Compute the total cost of the meal to the nearest cent: meal costs \$29.78 plus 5% tax and 15% tip. A) \$30.20

B) \$32.56

C) \$34.67

D) \$35.74

In the United States, the parasite that causes malaria is not present, but it is present in African-Americans whose ancestors were from equatorial Africa. What should be happening to the sickle-cell allele in the United States, and what should be happening to it in equatorial Africa?

The toll on the Islands Bridge is \$1.00 for car and driver and \$.75 for each additional passenger. How many people were riding in a car for which the toll was \$3.25?

(A) 2

(B) 3

(C) 4

(D) 5

(E) none of these

A cylinder contains 3.0 L of oxygen at 310 K and 2.5 atm. The gas is heated, causing a piston in the cylinder to move outward. The heating causes the temperature to rise to 610 K and the volume of the cylinder to increase to 9.5 L. What is the gas pressure?  $P = \underline{\hspace{1cm}}$  atm

If the consumption of sugar does not change at all following a price increase from 49 cents per pound to 58 cents per pound, the demand for sugar is considered to be a. perfectly inelastic. b. perfectly elastic. c. unitary elastic. d. relatively inelastic.

How have the colonial ideas of civil liberties and rights changed over time

Both fractions and whole numbers can be modeled on number lines. If a number line is divided into fourths, what whole number is represented at the  $\frac{4}{4}$  position? A) 1 B) 2 C) 4 D) 8

how such a company can improve the focus and relationship with customers, and what they will benefit from this improvement.

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