

**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 cast 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 get slow .

A chemist describes a particular experiment in this way: "0.0400 mol of H<sub>2</sub>O<sub>2</sub> decomposed into 0.0400 mol of H<sub>2</sub>O and 0.0200 mol of O<sub>2</sub>."

Which irrational number can be added to pi to get a sum that is rational A. 1/pi

B. -1/pi

C. -pi

D.pi

Use substitution to solve the system  $5x-3y=23$   $2x+y=7$

$R^2+8r=-7$

solve the equation with the quadratic formula showing work

What does Charles Dickens criticize in the beginning of Oliver Twist by placing Oliver in a workhouse? - the lack of good orphanages in Great Britain

- the absence of morality among parish officials

- the miserable conditions of workhouses

- the lazy and immoral attitudes of the poor

- the slack supervision by the parish officials

(More than one answer can be chosen)

\_\_\_\_\_ refers to a balanced ecosystem. Great equality Dynamic equilibrium Grand balance

Identify the appositive in the following sentence: Dave Lewis, a teacher at Lawson, works with many aspiring musicians.

Question 4 options:

Dave Lewis

musicians

aspiring

teacher

What kind of drama ridicules or exposes the faults of individuals or groups through humor and even mean jokes?

In a recent year Hart Corporation had net income of \$125,000, interest expense of \$30,000, and tax expense of \$40,000. What was Hart Corporation's times interest earned for the year?

How much of the human body is composed of water?

Communicable diseases can be prevented by:

- A. Eating healthy

- B. Keeping the kitchen clean

- C. Not smoking

- D. A and B

Which process is used to protect transmitted data in a VPN?

Rewrite  $f(x) = 2(x - 1)^2 + 3$  from vertex form to standard form.

Read the following excerpt from John Calvin's Institutes of the Christian Religion then answer the following question which of the following statements reflect the ideas in this passage.

Plea for help  $15a = 6a - 90$

And:

Xavier is thinking of a number. 9 more than 4 times the number is the same as 15 less than twice a number. What is the number?

Which statement best explains how each of the different cell types can develop from the same embryo?

Carmen begins her next painting on a rectangular canvas that is 82.7 cm long and has an area of 8137.68 cm<sup>2</sup>. Will the painting fit in a frame with an opening that is 82.7 cm long and 95 cm wide?

$-4/5 + (-1/3)$  ??????

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