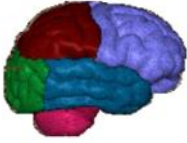


M14 Game Day





















Friday, July 16, 2010
7:20 AM

Slide

Team



Notes

| | Definitions | Computations | Concepts | Extra |
|----------------|---|---|---|---|
| parietal lobe |  |  |  |  |
| frontal lobe |  |  |  |  |
| occipital lobe |  |  |  |  |
| temporal lobe |  |  |  |  |
| cerebellum |  |  |  |  |

Categories:

Definitions
Computations
Concepts
Extra

A wave whose propagation is perpendicular to its oscillation. Choose... ▾

Any speed that is faster than the speed of sound in a substance of interest. Choose... ▾

The sound produced as a result of something traveling at or above Mach 1. Choose... ▾

A wave whose propagation is parallel to its oscillation. Choose... ▾

The highness or lowness of a sound. Choose... ▾

Choose... ▾
 transverse wave
 sonic boom
 pitch
 supersonic
 longitudinal wave

Match the definitions to the terms.

The highness or lowness of a sound pitch ▾

The sound produced as a result of something traveling at or above Mach 1. sonic boom ▾

A wave whose propagation is parallel to its oscillation. longitudinal wave ▾

Any speed that is faster than the speed of sound in a substance of interest. supersonic ▾

A wave whose propagation is perpendicular to its oscillation. transverse wave ▾

What is the speed of sound in air that has a temperature of 25 degrees Celsius?

Answer:

A sound wave traveling through 17 degree air has a wavelength of 2 meters. What is the frequency of the sound wave?

Answer:

The temperature is 10 degrees C. You see a lightening strike and then hear the thunder 2 seconds later. How far away did the lightening strike?

Answer:

An amplifier takes a 30 decibel sound and amplifies it to an 80 decibel sound. How many times more intense is the sound?

Answer:

Computations:

What is the speed of sound in air that has a temperature of 25 degrees Celsius?

Answer:

A sound wave traveling through 17 degree air has a wavelength of 2 meters. What is the frequency of the sound wave?

Answer:

The temperature is 10 degrees C. You see a lightening strike and then hear the thunder 2 seconds later. How far away did the lightening strike?

Answer:

An amplifier takes a 30 decibel sound and amplifies it to an 80 decibel sound. How many times more intense is the sound?

Answer:

A musician has two wind instruments of the same type. One is long and one is short. Which recorder will be able to play the lowest pitch?

Choose one answer.

a. long

b. short

Concepts:

A musician has two wind instruments of the same type. One is long and one is short. Which recorder will be able to play the lowest pitch?

Choose one answer.

a. long

b. short

| | |
|---|---|
| <p>Do sound waves oscillate parallel or perpendicular to the direction in which the wave travels?</p> <p>Choose one answer.</p> <p><input type="radio"/> a. perpendicular</p> <p><input type="radio"/> b. parallel</p> <p>Which wave has the longest wavelength:</p> <p>Choose one answer.</p> <p><input type="radio"/> a. infrasonic waves</p> <p><input type="radio"/> b. ultrasonic waves</p> <p><input type="radio"/> c. sonic waves</p> <p>In which medium will sound waves travel faster?</p> <p>Choose one answer.</p> <p><input type="radio"/> a. air</p> <p><input type="radio"/> b. water</p> <p>As you speed up, the pitch of a siren gets higher. Are you driving toward or away from the source of the sound?</p> <p>Choose one answer.</p> <p><input type="radio"/> a. toward the sound</p> <p><input type="radio"/> b. away from the sound</p> | <p>Do sound waves oscillate parallel or perpendicular to the direction in which the wave travels?</p> <p>Choose one answer.</p> <p><input type="radio"/> a. perpendicular</p> <p><input checked="" type="radio"/> b. parallel</p> <p>Which wave has the longest wavelength:</p> <p>Choose one answer.</p> <p><input checked="" type="radio"/> a. infrasonic waves</p> <p><input type="radio"/> b. ultrasonic waves</p> <p><input type="radio"/> c. sonic waves</p> <p>In which medium will sound waves travel faster?</p> <p>Choose one answer.</p> <p><input type="radio"/> a. air</p> <p><input checked="" type="radio"/> b. water</p> <p>As you speed up, the pitch of a siren gets higher. Are you driving toward or away from the source of the sound?</p> <p>Choose one answer.</p> <p><input checked="" type="radio"/> a. toward the sound</p> <p><input type="radio"/> b. away from the sound</p> |
| <p>"In space, no one can hear you scream"</p> <p>Based on what you have learned about sound waves, why would you say that is true.</p> | <p>Extra:</p> <p>Sound must travel through a medium. In space, there isn't air so there isn't a medium for it to travel through.</p> |

Quiz: <http://www.virtualhomeschoolgroup.com/mod/quiz/view.php?id=17727>
Exam: <http://www.virtualhomeschoolgroup.com/mod/quiz/view.php?id=17729>