





Name _____ Class _____ Date _____

1 Sound travels through matter.
How do **sound waves** travel through the air?




A They stay close together.
B They spread out in all directions.
C They only travel straight up.
D They travel only in warm air.

2 _____ are the invisible movement of **sound energy** that travels away from the source of the sound.




A Sound mass
B Sound curves
C Sound decibels
D Sound waves

3 The farther **sound waves** travel, _____.



A the more decibels
B the quieter the sound becomes
C the louder the sound becomes

4 **Sound waves** are able to move through solids, liquids, and gases, which are the three states of _____.



A sound
B mass




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B Volume affects the speed of sound.
C Temperature doesn't affect the speed of sound.
D Temperature affects the speed of sound.

A frequency
B matter
C volume
D mass



9 **Sound** can be measured in **units** called _____.



A decibels
B volume
C frequency
D pitch

10 Which of these sounds would measure **more decibels** than the others?



A airplane flying overhead
B car driving by
C horn beeping
D bird chirping



ANSWER KEY

Sound travels through matter.

How do **sound waves** travel through the air?



- A** They stay close together.
- B** They spread out in all directions.
- C** They only travel straight up.
- D** They travel only in warm air.

(b)

_____ are the invisible movement of **sound energy** that travels away from the source of the sound.

- A** Sound mass
- B** Sound curves
- C** Sound decibels
- D** Sound waves



(d)

The farther **sound waves** travel, _____.

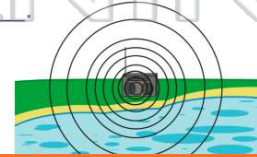
- A** the more decibels
- B** the quieter the sound becomes
- C** the louder the sound becomes
- D** the higher the pitch becomes



(b)

Sound waves are able to move through solids, liquids, and gases, which are the three states of _____.

- A** sound
- B** mass
- C** matter



(c)



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- C** Temperature doesn't affect the speed of sound.
- D** Temperature affects the speed of sound.

- B** matter
- C** volume
- D** mass



Sound can be measured in **units** called _____.

- A** decibels
- B** volume
- C** frequency
- D** pitch



(a)

Which of these sounds would measure **more decibels** than the others?

- A** airplane flying overhead
- B** car driving by
- C** horn beeping
- D** bird chirping



(a)