

SOL 5.2

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(5.2a)

1. Sound is most similar to a —

- A stream.
- B wave.
- C solid.
- D liquid.

(5.2c)

2. What kind of sound waves are created by a dog whistle?

- A higher than people can hear
- B lower than people can hear
- C the kind people can hear
- D faster than people can hear

(5.2b)

3. Sound waves travel through a material more easily when the material's _____ are closer together.

- A crests
- B vibrations
- C molecules
- D sides

(5.2a)

4. A _____ is the rapid back and forth motion of matter that results in sound.

- A frequency
- B resonance
- C wavelength
- D vibration

(5.2c)

5. What is an echo an example of?

- A a reflection
- B a resistance
- C an absorption
- D a sonar

(5.2a)

6. Which one of the following is the best description of sound waves?

- A Sound waves are very low-frequency radio waves.
- B Sound waves are vibrations transmitted through matter.
- C Sound waves are rapid changes in magnetic fields.
- D Sound waves are rapid changes in the attraction between molecules.

(5.2a)

7. What is the relationship between the frequencies and wavelengths of sound waves?

- A As the sound frequency increases, so does its wavelength.
- B As the sound frequency increases, its wavelength decreases.
- C As sound frequency increases, its wavelength first increases and then decreases, in cycles.
- D Sound frequencies and wavelengths are not related.