

## **Science Trivia**

**5<sup>th</sup> grade**  
Updated 2012

### **5.2 - Sound** (Force, Motion, and Energy)

1

Sound waves are \_\_\_\_\_ waves

2

The rapid back and forth movements that create sound are-

3

The number of wavelengths in a given unit of time-

4

The ability of sound to cause vibrations is called-

5

A surge of sound energy that travels through matter is -

6

Sound travels best through which state of matter?

7

Sound travels least well through which state of matter?

8

What is the process of making sound louder?

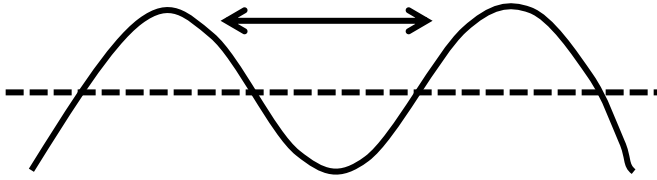
9

What is the highness or lowness of a sound?

<p>10</p> <p><b>What determines the loudness of a sound?</b></p>	<p>11</p> <p><b>What determines the pitch of sound</b></p>
<p>12</p> <p><b>The unit used to measure the loudness of sound is-</b></p>	<p>13</p> <p><b>What is the height of a sound wave?</b></p>
<p>14</p> <p><b>Sound makes waves by pushing molecules together, (_____) or spreading them out, (_____)</b></p>	<p>15</p> <p><b>Sound travels best through materials with a _____ density.</b></p>
<p>16</p> <p><b>High density means molecules are _____</b></p>	<p>17</p> <p><b>What echolocation system is used to help some animals locate food?</b></p>
<p>18</p> <p><b>What are two animals that use sonar to locate food?</b></p>	<p>19</p> <p><b>The distance between a point on one wave to the same point on the next wave is called the-</b></p>

20

This picture represents a-



21

Sound cannot travel in a \_\_\_\_\_ because there is no matter for it to move through

22

Objects vibrating faster have a higher \_\_\_\_\_ than objects vibrating slower

23

\_\_\_\_\_ is the amount of energy in a compression wave.

24

25

26

27

28

29

1

**compression**

3

**frequency**

2

**vibration**

5

**sound wave**

4

**sound energy**

7

**gases**

6

**solids**

9

**pitch**

8

**amplification**

11

**frequency**

10

**amplitude**

13

**amplitude**

12

**decibel**

15

**high**

14

**compression  
rarefaction**

17

**sonar**

16

**close together**

19

**wavelength**

18

**bats and whales**

21

**vacuum**

20

**wavelength**

23

**amplitude**

22

**pitch**

25

24

27

26

29

28