

How Do We Hear?

Choose the correct answer.

1. What is sound?

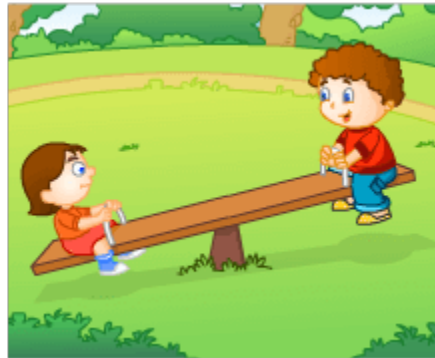


It is a form of energy.

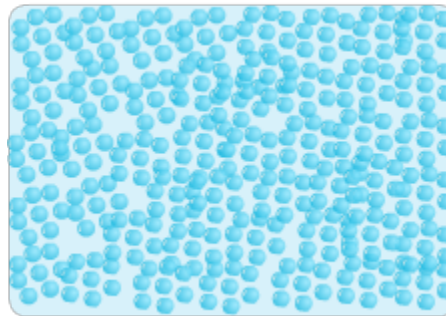


It is heat energy.

2. Another name for the movement of air molecules that makes sound is _____.



up and down motion



vibration

State whether the following statement is true or false.

3. A noise sounds louder if it is closer to you.



- True
- False

Choose the correct answer.

4. We can hear a sound only when _____.



- it reaches our ears
- it is hot outside

State whether the following statement is true or false.

5. Sound travels faster than light.



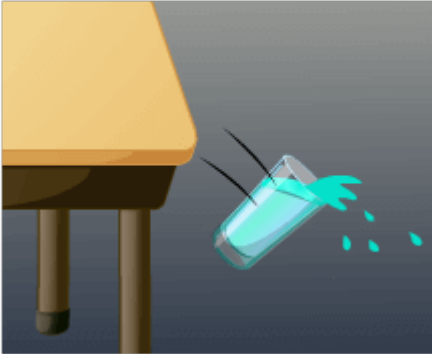
- True
- False

Choose the correct answer.

6. Sound waves carry _____ from one place to another.

- force
- energy

7. When you drop something on the floor, it vibrates the air particles and makes a _____.



- light
- sound

8. When a person speaks, his or her vocal cords _____.



- vibrate
- rest

State whether the following statement is true or false.

9. Different musical instruments make different sounds.



Tuba



Piano



Flute

True

False

Choose the correct answer.

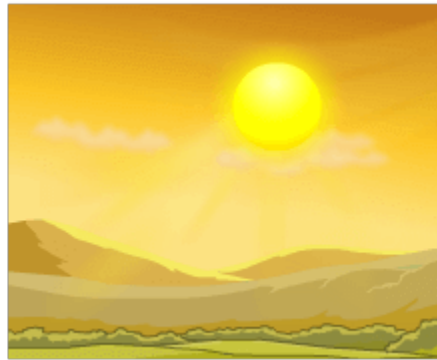
10. A guitar makes a different _____ than a piano.



guitar



piano



light energy



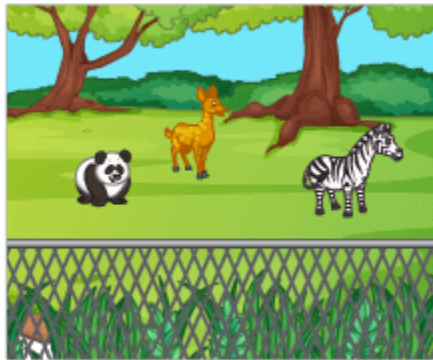
sound wave

11. We can see lightning before we hear thunder because _____.



- sound travels faster than light
- light travels faster than sound

12. Sound is a form of _____.



life



energy

13. Volume tells how _____ a sound is.

- loud or soft
- good or bad

14. Pitch tells how _____ a sound is.

- fast or slow
- high or low

15. The buzzing of a bee is at a higher _____ than the sound of thunder.

- volume
- pitch