

MONDAY, 13TH JUNE 2022

NATURAL SCIENCE

UNIT 5. SOUND, LIGHT AND HEAT

1. COMPLETE THE TEXT.

QUIET

VIBRATES

VACUUM

LOUD

SPACE

MEDIUM

When an object _____, it produces sound waves.

These waves travel through a _____ (solid, liquid or gas) to our ears so that we can hear them.



We perceive large vibrations as _____ sounds and small vibrations as _____ sounds.



Sound waves can only travel through a medium, such as air. They cannot travel through a _____. _____ is a giant, empty vacuum with no air.

2. MATCH TO MAKE TRUE SENTENCES.

Natural light

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Artificial light

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A

sources are found in nature.

B

comes mainly from the sun.

C

is transformed from another energy source

D

sources are man-made.

3. MATCH TO MAKE TRUE SENTENCES.

Light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	can only travel through a medium.
Sound	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B	travels in straight lines called rays.
					C	travels quickly, but not as fast as light.
					D	does not need to travel through a medium.
					A	travels at about 300,000 kilometres per second.
					B	travels in waves.

4. CHOOSE REFLECTION (RFL) OR REFRACTION (RFR).

a RFL RFR occurs when rays of light are not absorbed by an object and bounce off, instead.

b RFL RFR occurs when light passes through a medium of a different density and changes direction.

c Rainbows are caused by RFL RFR

d Mirrors RFL RFR light.

e Lenses RFL RFR light.



5. CLASSIFY.

- | | | | | | |
|------------|---------|----------|-----|-----------|------|
| HOT SPRING | VOLCANO | RADIATOR | SUN | HAIRDRYER | OVEN |
|------------|---------|----------|-----|-----------|------|

Artificial heat sources

Natural heat sources