

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				A	can only travel through a medium.
Sound				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