

UNIT 5. SOUND, LIGHT, HEAT

SOUND AND LIGHT

1. Complete the text.

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. Choose the right option.

- 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. Choose the right option.

- a) _____ travels at about 300,000 kilometres per second.
- b) _____ does not need to travel through a medium.
- c) _____ travels quickly, but not as fast as light.
- d) _____ can only travel through a medium.
- e) _____ travels in waves.
- f) _____ travels in straight lines called rays.

4. Complete the text.

Humans can only see a very small _____ of visible light. This light _____ white to us, but it is really _____ up of all colours.

When light _____ into contact with an object, the light can be absorbed, _____ or refracted.

