

2 Waves

2.2. Electromagnetic spectrum

Light and Sound

The figure below is giving information about light and sound.

- a) The following words are related to the sketch below. Find a correct German translation for each words using a dictionary or the web for unknown words.

air	_____	visible light	_____
atmosphere	_____	electromagnetic waves	_____
longitudinal waves	_____	light	_____
siren	_____	water	_____
space	_____	sound	_____
sound waves	_____	transverse waves	_____
vibration direction	_____	vacuum	_____

- b) Use three words from the box and write down appropriate sentences with each of the words.

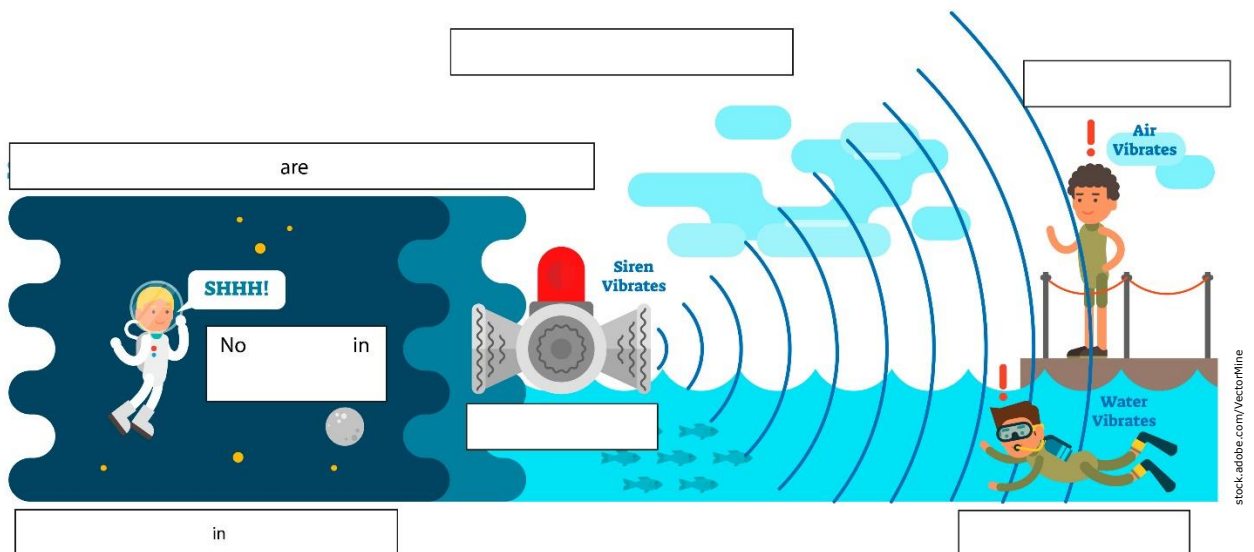
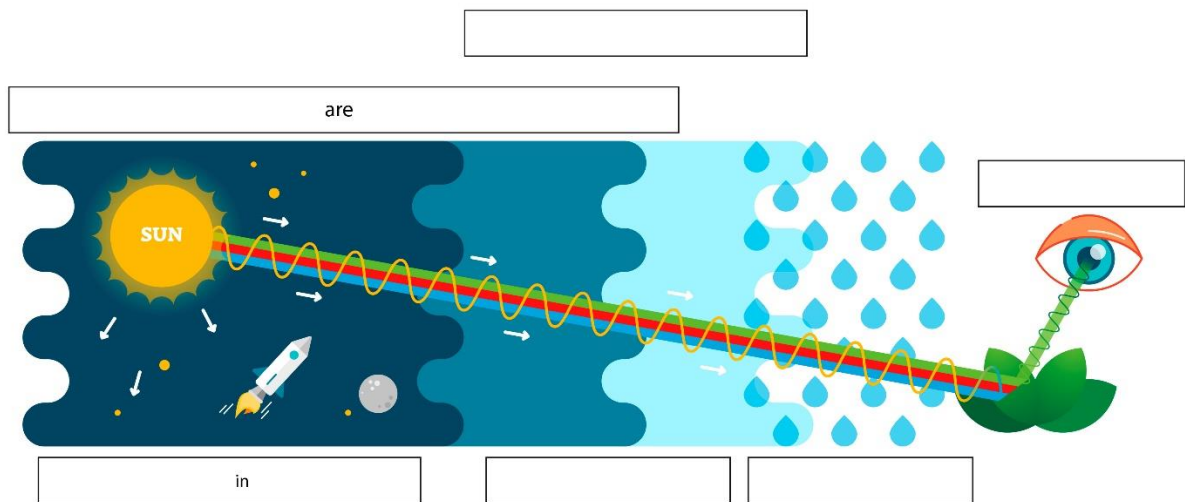
1. _____
2. _____
3. _____

- c) Listen to the sentences of your neighbour. Write down the three sentences of your neighbour.

1. _____
2. _____
3. _____

d) Label the sketch with the correct words from the box.

amplitude (2x) - compression - crest - direction of propagation (2x) - ear - eye - expansion -
longitudinal wave - music system - television - transverse wave - trough (2x) - vibration direction
(2x) - wavelength (2x) - sound waves - visible light



LÖSUNGEN

a) The following words are related to the sketch below. Find a correct German translation for each words using a dictionary or the web for unknown words.

air	Luft	visible light	sichtbares Licht
atmosphere	Atmosphäre	electromagnetic waves	elektromagn. Wellen
longitudinal waves	Longitudinalwellen	light	Licht
siren	Sirene	water	Wasser
space	Weltraum	sound	Schall
sound waves	Schallwellen	transverse waves	Transversalwelle
vibration direction	Schwingungsrichtung	vacuum	Vakuum

d) Label the sketch with the correct words from the box.

