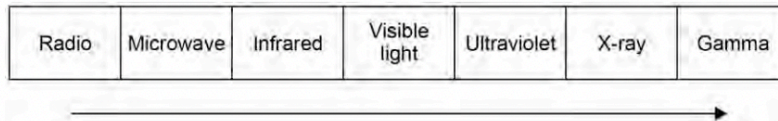


Q1.(2019)

Figure 12 shows the electromagnetic spectrum.**Figure 12**Which statement is correct for the direction of the arrow in **Figure 12**?**[1 mark]**Tick (✓) **one** box.

The wavelength decreases and the wave speed in air increases.

☐

The frequency increases and the wavelength increases.

☐

The frequency increases and the wave speed in air stays the same.

☐

The wavelength increases and the wave speed in air increases.

☐

Q2.(2021)

] **Table 1** gives the wavelength of an ultraviolet wave and three other electromagnetic waves.**Table 1**

	Ultraviolet	Wave E	Wave F	Wave G
Wavelength in nanometres	300	0.1	600	100 000

Draw **one** line from each wave to the name of the wave.**[1 mark]**

Wave	Name
Wave E	Infrared
Wave F	Visible light
Wave G	X-rays