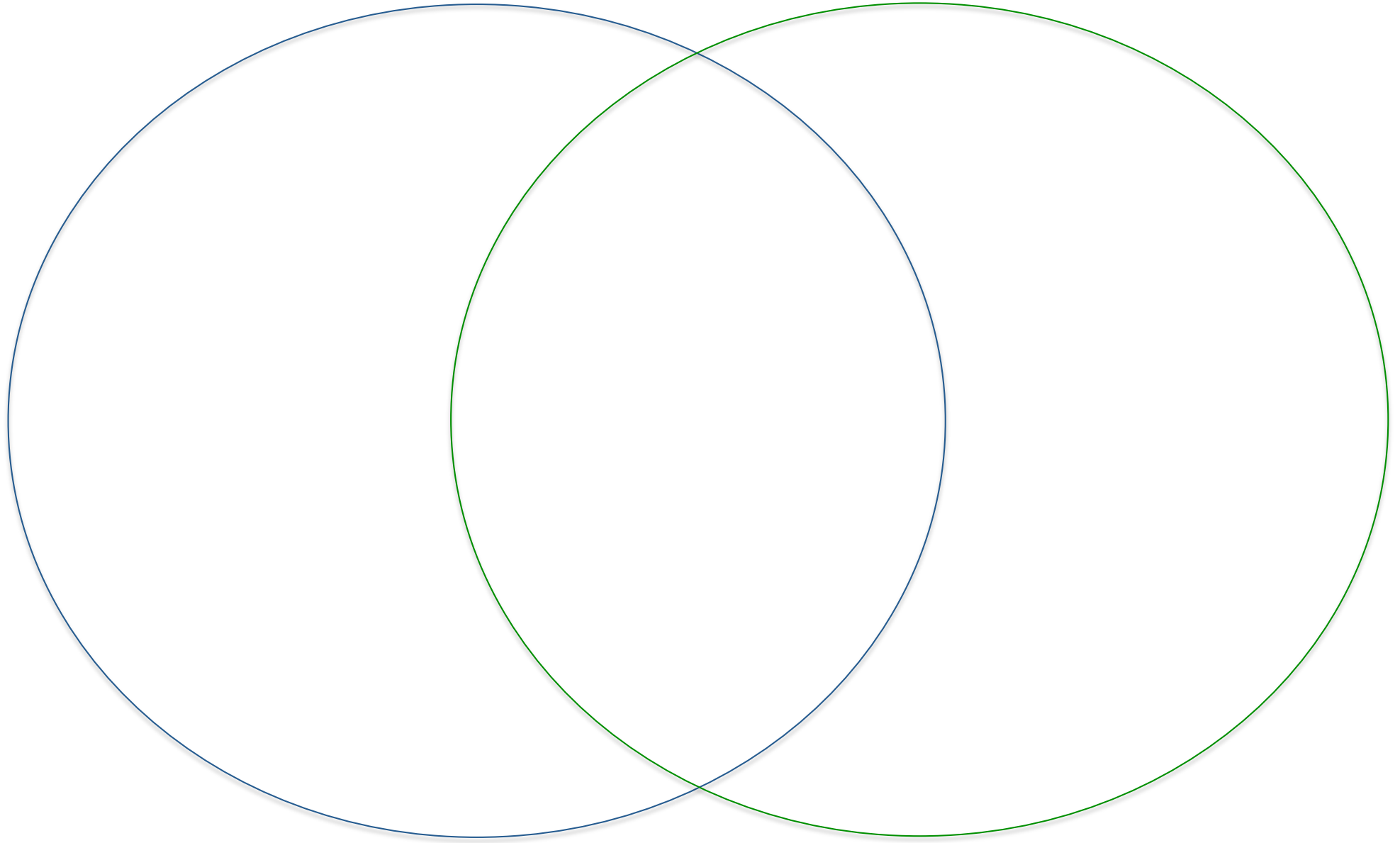


Topic	Transverse and longitudinal waves	Level	GCSE and Key Stage 3 (or any course for students aged 11-16)
Outcomes	1. Students compare and contrast transverse and longitudinal waves		

Transverse

Longitudinal



Put the words and drawings from the slide onto your Venn diagram.

Particles vibrate at right angles to the direction in which the wave moves.

matter is not transferred

electromagnetic radiation

sound

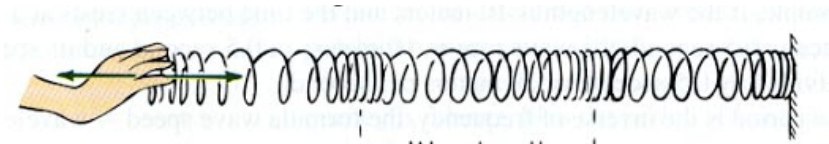
Mexican wave

seismic waves

water waves

transfer of energy

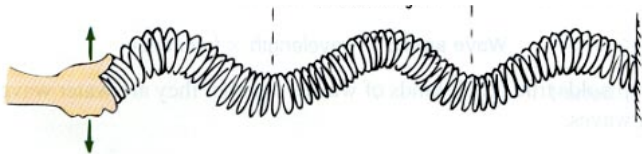
waves on a rope



medium

Particles of the medium are temporarily displaced.

slinky movement



Particles of the medium vibrate in the same direction as the wave moves.