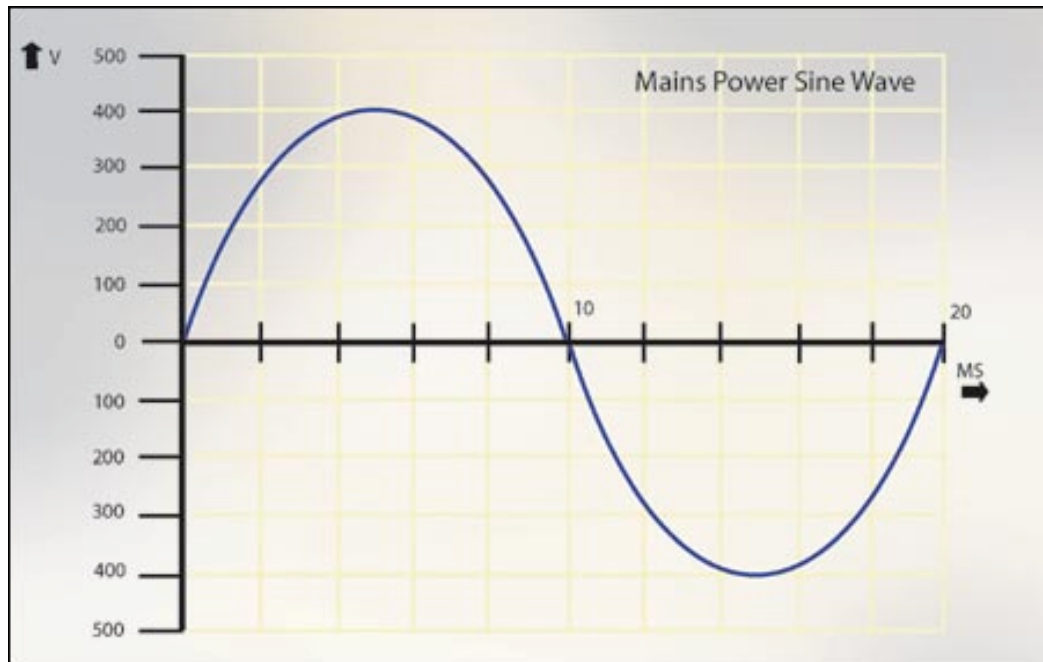


Waves & Optics

Quick Quiz

On the diagram of the wave, label

- the crest of the wave
- the trough
- the axis



What is meant by the amplitude of the wave?

What is meant by the wavelength?

What is the symbol for wavelength?

What units are used to measure wavelength?

What is meant by frequency of a wave?

What is the symbol for frequency?

What units are used to measure frequency?

If 100 waves pass a point in 20s, what is the frequency?

What is meant by the period of the wave?

What is the formula which links frequency and period?

What is meant by a longitudinal wave?

What is meant by a transverse wave?

Give an example of

- a longitudinal wave
- a transverse wave

List all of the electromagnetic spectrum in order of wavelength:

What is the speed of radio / TV waves?

Which of the waves in the electromagnetic spectrum have the shortest wavelength?

Which of the waves in the electromagnetic spectrum have the longest wavelength?

Which of the waves in the electromagnetic spectrum have the highest frequency?

Which of the waves in the electromagnetic spectrum have the lowest frequency?