



Word of the Week
10th September 2018

Spectrum





Spectrum – Noun

1.

The spectrum is the range of different colours which is produced when light passes through a glass prism or through a drop of water. A rainbow shows the colours in the spectrum.

2.

A **spectrum** is a range of a particular type of thing.

She'd seen his moods range across the emotional spectrum.

Politicians across the political spectrum have denounced the act.

The term 'special needs' covers a wide spectrum of problems.

3.

A **spectrum** is a range of light waves or radio waves within particular frequencies.

...from X-rays right through the spectrum down to radio waves.

...the individual colours within the light spectrum.

...the ultraviolet spectra of hot stars.

Spectrum - Range

In a **general sense** the word spectrum is a synonym for range:

- *The company has a wide range of difficult issues*
- *The company has a wide spectrum of difficult issues*

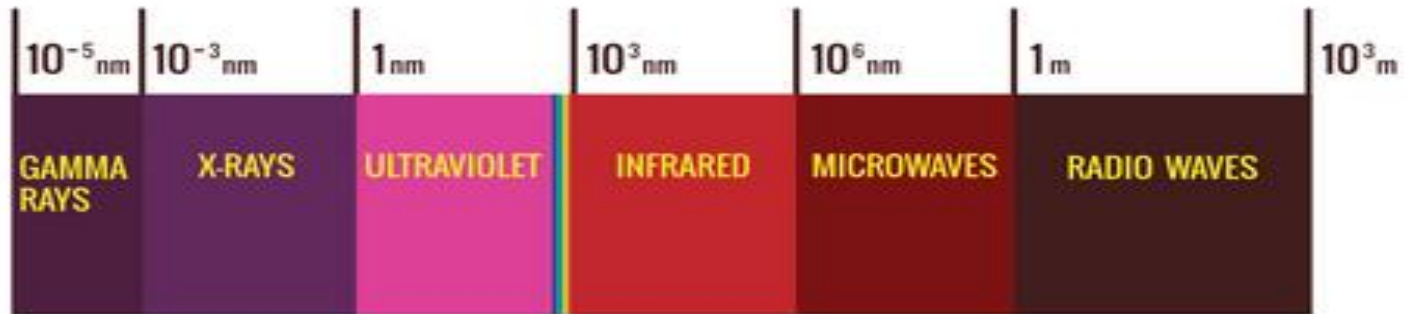
In this **general sense**, other synonyms would be:

- variety
- assortment
- series
- selection
- gamut



In Science

ELECTROMAGNETIC SPECTRUM



#74283953

THE ELECTRO MAGNETIC SPECTRUM

1 metre = 100cm 1 cm = 10mm 1 millimetre = 1000 microns 1 micron = 1000 nanometres (nm) - one nanometre is one billionth of a metre

$$10^{-5} = 0.00001 \quad 10^5 = 100,000$$

WAVE (type)

