

Name: _____ Date: _____
Chemistry

Worksheet

EMR Spectrum



Describe the following terms.

photon –

continuous spectrum –

line spectrum –

absorption spectrum –

emission spectrum –

List the color of the following wavelengths.

_____ 400 nm

_____ 7.25×10^2 nm

_____ 650 nm

_____ 525 nm

Arrange the colors of green, ultraviolet, red, blue and orange light in the following order:

increasing wavelength

increasing frequency

increasing energy

DESCRIBE the contributions of the following scientists.

Robert Bunsen –

Gustav Kirchhoff –

Heinrich Hertz –

Johannes Balmer –

Johannes Rydberg –

GEDAKEN

Which has a longer wavelength, x-rays or microwaves?

"Good work done little by little becomes great work. Your house of success will be built brick by brick." -- Max Steingart