

radiation covers the wavelength range from about  
100 nm - 800 nm

[CHM309] The atomic absorption spectrophotometer has \_\_\_\_\_ major components  
three

[CHM309] The energy of the most stable electron configuration of an element is its  
ground state is \_\_\_\_\_.  
lowest energy

[CHM309] The interaction of light with matter is \_\_\_\_\_.  
spectroscopy

[CHM309] In  $c = \lambda \nu$ , the term  $\lambda$  represents \_\_\_\_\_.  
the distance between two successive peaks

[CHM309] The molecular orbitals with electron density above and below the plane of  
the bonded nuclei are called \_\_\_\_\_.  
pi orbitals

[CHM309] Photons are characterised by their  
energy

[CHM309] Molecular orbital with electron density in the plane of the bonded nuclei, that  
is, along the axis connecting the bonded nuclei, are called \_\_\_\_\_  
sigma orbital

[CHM309] The ground state configuration of an atom is predicted from the  
Atomic orbital principle

[CHM309] Standard unit of wavelength is \_\_\_\_\_.  
nanometer

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