

HYDROGEN SPECTRUM

XII- SCIENCE

SUBJECT : (PHYSICS)
CHAPTER NUMBER:12
CHAPTER NAME :ATOMS

CHANGING YOUR TOMORROW

Website: www.odmegroup.org
Email: info@odmps.org

Toll Free: **1800 120 2316**
Sishu Vihar, Infocity Road, Patia, Bhubaneswar- 751024

HYDROGEN SPECTRUM

- When an electron jumps amongst energy levels in an atom, energy is emitted or absorbed in the form of electromagnetic radiations and these radiations produce a spectral line of frequencies(or wavelength) associated with an atom, called atomic spectra
- Spectroscopy is the learning and examination emission and absorption spectra associated with an atom to determine its properties
- Spectral lines are the bright and dark line series that constitute the spectrum associated with an atom
- An atom has discrete spectra(where exist a fixed specific lines of energy transition of the electron with discrete energy gaps) also known as quantized spectra
- Another type is continuous spectra(where there are no specific lines of energy transition of electrons) which is the reverse of discrete spectra

Slide 2

1

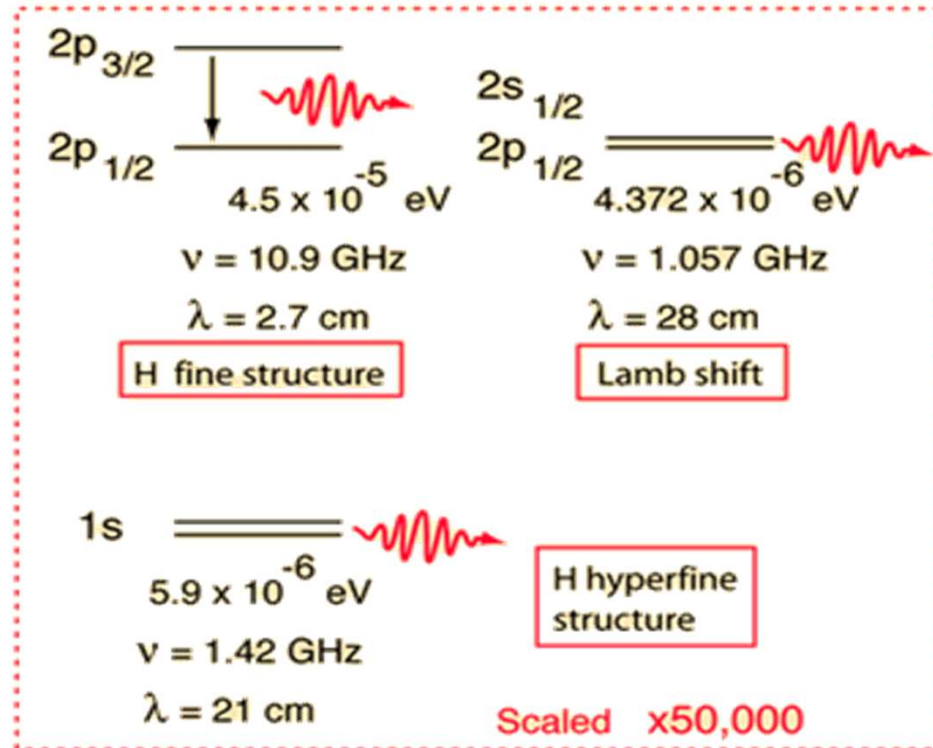
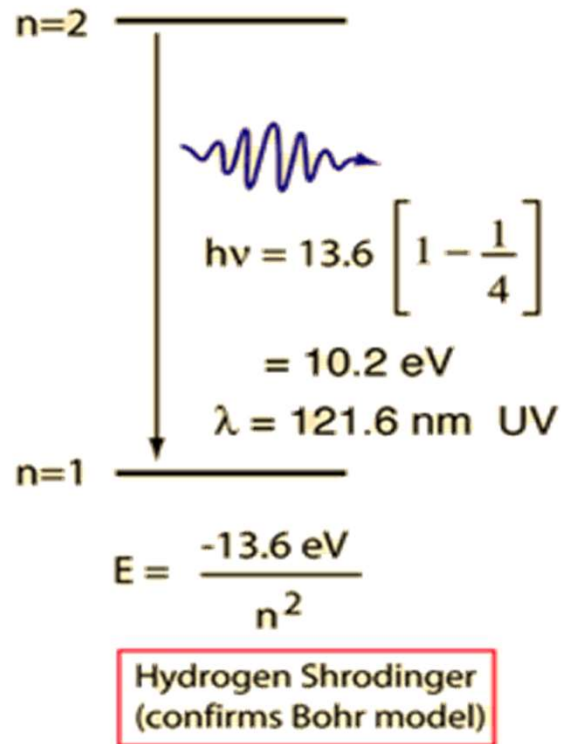
@Format for content and slide heading is missing? Just like you have mentioned in DOC., We need to specify, for each slide's heading and text content, what font style +amanrouniyar@odmegroup.org

Assigned to you

-Swoyan Satyendu

, 17-06-2020

HYDROGEN SPECTRUM



Slide 3

5

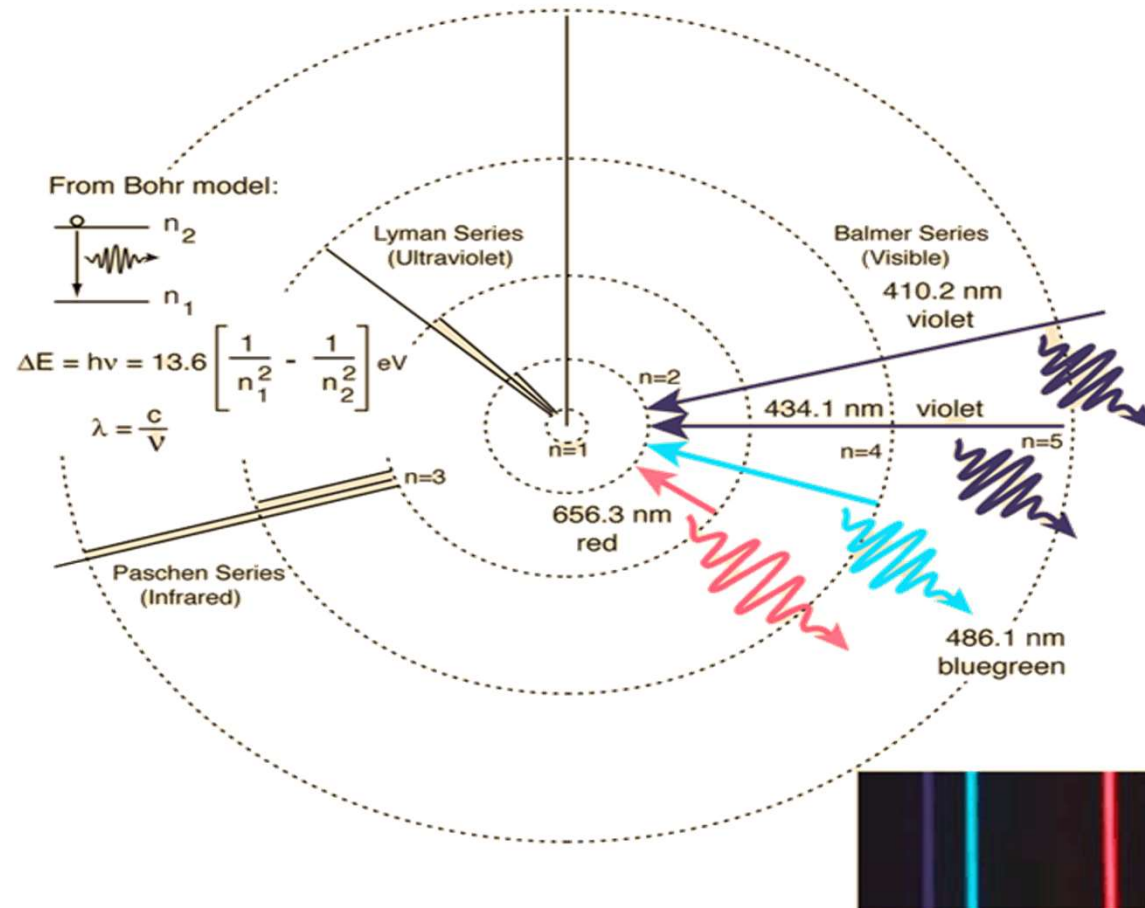
@Format for content and slide heading is missing? Just like you have mentioned in DOC., We need to specify, for each slide's heading and text content, what font style +amanrouniyar@odmegroup.org

Assigned to you

-Swoyan Satyendu

, 17-06-2020

HYDROGEN SPECTRUM



Slide 4

6

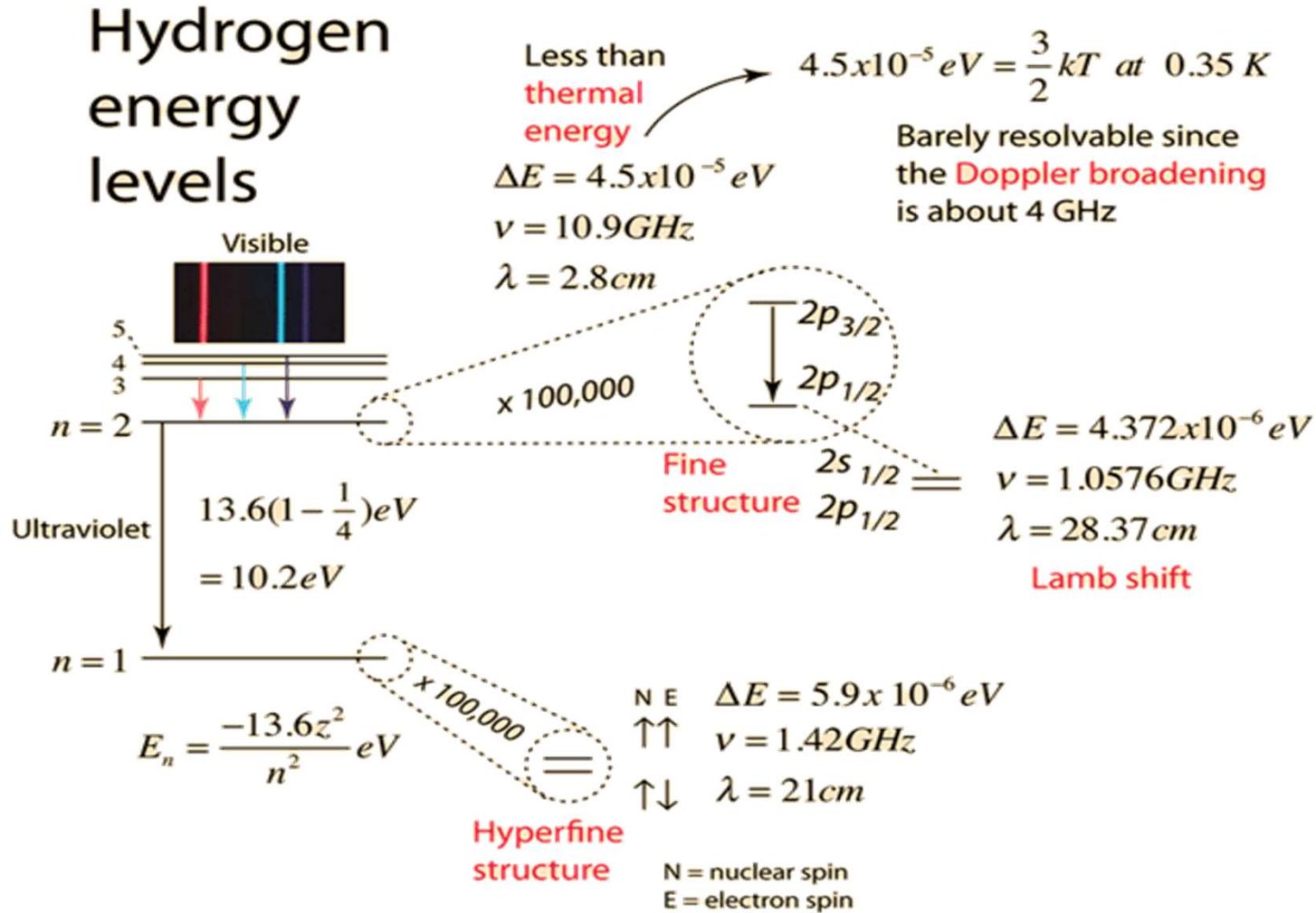
@Format for content and slide heading is missing? Just like you have mentioned in DOC., We need to specify, for each slide's heading and text content, what font style +amanrouniyar@odmegroup.org

Assigned to you

-Swoyan Satyendu

, 17-06-2020

HYDROGEN SPECTRUM



Slide 5

7

@Format for content and slide heading is missing? Just like you have mentioned in DOC., We need to specify, for each slide's heading and text content, what font style +amanrouniyar@odmegroup.org

Assigned to you

-Swoyan Satyendu

, 17-06-2020

THANKING YOU
ODM EDUCATIONAL GROUP

