**IB Physics**

Atomic and Nuclear

Chapter 27, 28, 30, 31 Syllabus

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| B | In c lass: | Due on this class: |
| 1  Feb 24 | **GW**-27.1 #1-15 | **VF 27A, 27BCD, 27D1, 27EFG** |
| 2  Feb  27 | **GW**-27.1 #16-25  **GW**-FA27.1 | **VF 27G1, 27H** |
| 3  Mar  2 | **SA27.1-Photon Theory (first 30)**  **VF**-27I, 27J, 27K | Turn in: FA27.1 |
| 4  Mar  4 | **GW**-27.2 #1-18 | **VF 27I, 27J, 27K , 27L, 27MNO** |
| 5  Mar  6 | **GW**-27.2 Parts A and B | **VF 32A, 32B, 32C, 32D** |
| 6  Mar  10 | **GW**-Part C  **GW**-FA27.2 | **VF 32E** |
| 7  Mar  12 | **SA27.2-Atomic Physics (first 30)**  **VF**-30A, 30B | Turn in: FA27.2 |
| 8  Mar  16 | **GW**-30.2 #1-16  **GW**-FA30.2 | **VF 30A, 30B, 30M, 30N, 30N1, 30O** |
| 9  Mar  18 | **SA30.2-Nuclear Reactions (first 30)**  **VF**-30C, 30D, 30F  **DI**-Hiroshima (30P) | Turn in: FA30.2 |
| 10  Mar  20 | **GW**-30.1 #1-7  IB Packet | **VF 30C, 30D, 30E, 30F, 30G, 30H** |
| **Yay Spring Break Yay Spring Break Yay Spring Break Yay Spring Break Yay Spring Break Yay!** | | |
| 11  Apr  1 | **GW**-30.1 #8-24  **GW**-FA30.1 | **VF 30I, 30J, 30K, 30L** |
| 12  Apr  3 | **SA30.1-Radioactive Decay (first 30)**  **VF**-30Q | Turn in: FA30.1 |
| 13  Apr  7 | **GW-**Decay Lab  **GW-**Young's Double Slit Lab (EC) | Turn in: Decay Lab  Turn in: Paper 1 |
| 14  Apr  9 | **IB Atomic and Nuclear test** | Turn in IB Packet |
|  | **April 14, 16, 20, 22 - IB Review** | **April 24, 28, 30 - IB Mock Final Exam** |
| Assignments   * 2 Labs:   + Decay Lab – Determine the half-life of a computer-simulated nuclear decay   + Young's Double Slit - EC lab for IB * 4 Formative/Summative Assessments   + 27.1 – Photons   + 27.2 – Atomic and Particle   + 30.1 – Radioactivity   + 31.1 – Nuclear Reactions | |