**IB Physics**

**Atomic and Nuclear**

|  |  |  |  |
| --- | --- | --- | --- |
| **M** | **1**  **Dec**  **7** | **GW**-Group Quiz 27.1 | **VF 27A, 27BCD, 27D1, 27EFG** |
| **T** | **2**  **Dec**  **8** | **GW**- Group Quiz 27.1  **IW**-FA27.1  **IW**-Photo Electric PhET | **VF 27G1, 27H** |
| **Th** | **3**  **Dec**  **10** | **SA27.1-Photon Theory (by EOD Sunday)** | Turn in: FA27.1  Turn in: Photo Electric PhET |
| **F** | **4**  **Dec**  **11** | **GW**- Group Quiz 27.2  **IW**-Rutherford PhET | **VF 27I, 27J, 27K , 27L, 27MNO** |
| **M** | **5**  **Dec**  **14** | **GW**- Group Quiz 27.2 | **VF 32A, 32B, 32C, 32D**  Turn in: Rutherford PhET |
| **T** | **6**  **Dec**  **15** | **GW**- Group Quiz 27.2  **IW**-FA27.2 | **VF 32E** |
| **Th** | **7**  **Dec**  **17** | **SA27.2-Atomic Physics (by EOD Sunday)** | Turn in: FA27.2 |
| **F** | **8**  **Dec**  **18** | **GW**-30.2 #1-16  **GW**-FA30.2 | **VF 30A, 30B, 30M, 30N, 30N1, 30O** |
|  |  | Winter Break |  |
| **M** | **9**  **Jan**  **4** | **SA30.2-Nuclear Reactions (by EOD Weds)**  **DI**-Hiroshima (30P) | **VF 30C, 30D, 30E, 30F, 30G, 30H**  Turn in: FA30.2 |
| **T** | **10**  **Jan**  **5** | **GW**-30.1 #1-7  **IW**-Decay Lab | **VF 30I, 30J, 30K, 30L** |
| **Th** | **11**  **Jan**  **7** | **GW**-30.1 #8-24  **GW**-FA30.1 |  |
| **F** | **12**  **Jan**  **8** | **SA30.1-Radioactive Decay (by EOD Sun.)**  **VF**-30Q | Turn in: FA30.1 |

Assignments

* 3 Labs:
  + Photo Electric PhET – Simulation of the Photoelectric effect
  + Rutherford PhET – Simulation of Rutherford Scattering
  + Decay Lab – Determine the half-life of a computer-simulated nuclear decay
* 4 Formative/Summative Assessments
  + 27.1 – Photons
  + 27.2 – Atomic and Particle
  + 30.1 – Radioactivity
  + 31.1 – Nuclear Reactions