**Check #1:** 27:10(5.87E-26 J), 11, 18(401 nm), 20(2.18 eV, 0.93 V), 21

**Check #2:** 27: 14(1.1E-27 kg m/s), 15, 22(0.93 eV, 5.7E5 m/s), 23, 24(Wo = 3.55 eV, a. 0.90 eV, b. no electrons)

**Check #3:** 27: 37, 41, 50(6 to 3), 52(488 nm, 103 nm, 435 nm), 77

**Check #4:** 28: 3(1.3E-11m), 4(2.9E3m/s), 5(3.3E-8 ev), 6(1.3E-25 s)

**Check #5:** 32: 3

**Check #6:** 32: 3

**Check #7:** 30: 11, 12(7.48 MeV/nucleon), 13, 14(32.0MeV, 5.33MeV/Nucleon, 1.64 Gev, 7.87 MeV/nucleon)

**Check #8:** 30: 28a(6.11 MeV), Nuclear: C: P1-3, Q1, E: P1-2, Q1

**Check #9:** 30: 36(2.3 hr), 37, 38(1.2E9 decays/s), 39, 43, 44(4.3E16 nuclei, 2.9E15 nuclei, 6.5E13 decays/s, 26 min)

**Check #10:** 31: 5, 3, 11, 12(5.025 MeV, exo), Nuclear: M: 1

**Check #11:** 31: 17, 22(3.7E-4 kg)

**Turn In: HW27- 31:** 11 stamps!