* What is the minimum energy that photons must possess in order to produce

photoelectric effect with platinum metal? The threshold frequency for

platinum is 1.3 × 1015 sec–1.

* Calculate the kinetic energy of an electron emitted from a surface of

potassium metal (work function = 3.62 × 10–12 erg) by light of wavelength

5.5 × 10–8 cm.

* Calculate the magnitude of the energy of the photon (or quantum) associated with light of wavelength 6057.8 Å. (Å = 10–8 cm)