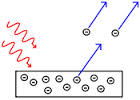
**Module 5 – Nuclear and Atomic Physics: Quiz 2b**



1. What is the lowest frequency of light that can cause the release of electrons from a metal that has a work function of 2.8 eV.
2. Gold has a work function of 4.82 eV. A block of gold is illuminated with ultraviolet light (λ = 160 nm).
3. Find the maximum kinetic energy of the emitted photoelectrons in electron volts.
4. Find the threshold frequency for gold.

Answers:



1. 
2. **See below:**
   1. ****
   2. 