

# Physics 1214 - General Physics II

Quiz #26 - 2013.04.15

Solutions

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1. What do we call the minimum amount of energy an individual electron has to gain in order to escape a surface?

The minimum amount of energy is called the work function.

2. Why do single elements have a definite set of wavelengths in their line spectrum?

Atoms of a particular element can emit and absorb photons with only certain energies, due to their structure. Thus, they can only possess certain, fixed, amounts of energy.