Energies in Electron Volts

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Room temperature thermal energy of a molecule.................................0.04    eV
Visible light photons.........................................................1.5-3.5 eV
Energy for the dissociation of an NaCl molecule into Na+ and Cl ions:.........4.2     eV
Ionization energy of atomic hydrogen .........................................13.6    eV
Approximate energy of an electron striking a color television screen...........20,000  eV
High energy diagnostic medical x-ray photons..................................200,000 eV (=0.2 MeV)
Typical energies from nuclear decay:
(1) gamma.....................................................................0-3     MeV
(2) beta......................................................................0-3     MeV
(3) alpha.....................................................................2-10    MeV
Cosmic ray energies ..........................................................1       MeV - 1000 TeV
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Electron Volt 1234 RULE
eV =          electron across 1volt
Photon_ev =   1234_eV/wavelength_nm
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