Copy of a printed diagram referenced as "Energy levels and cells for atoms"

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Fuller, Watson, 1935-

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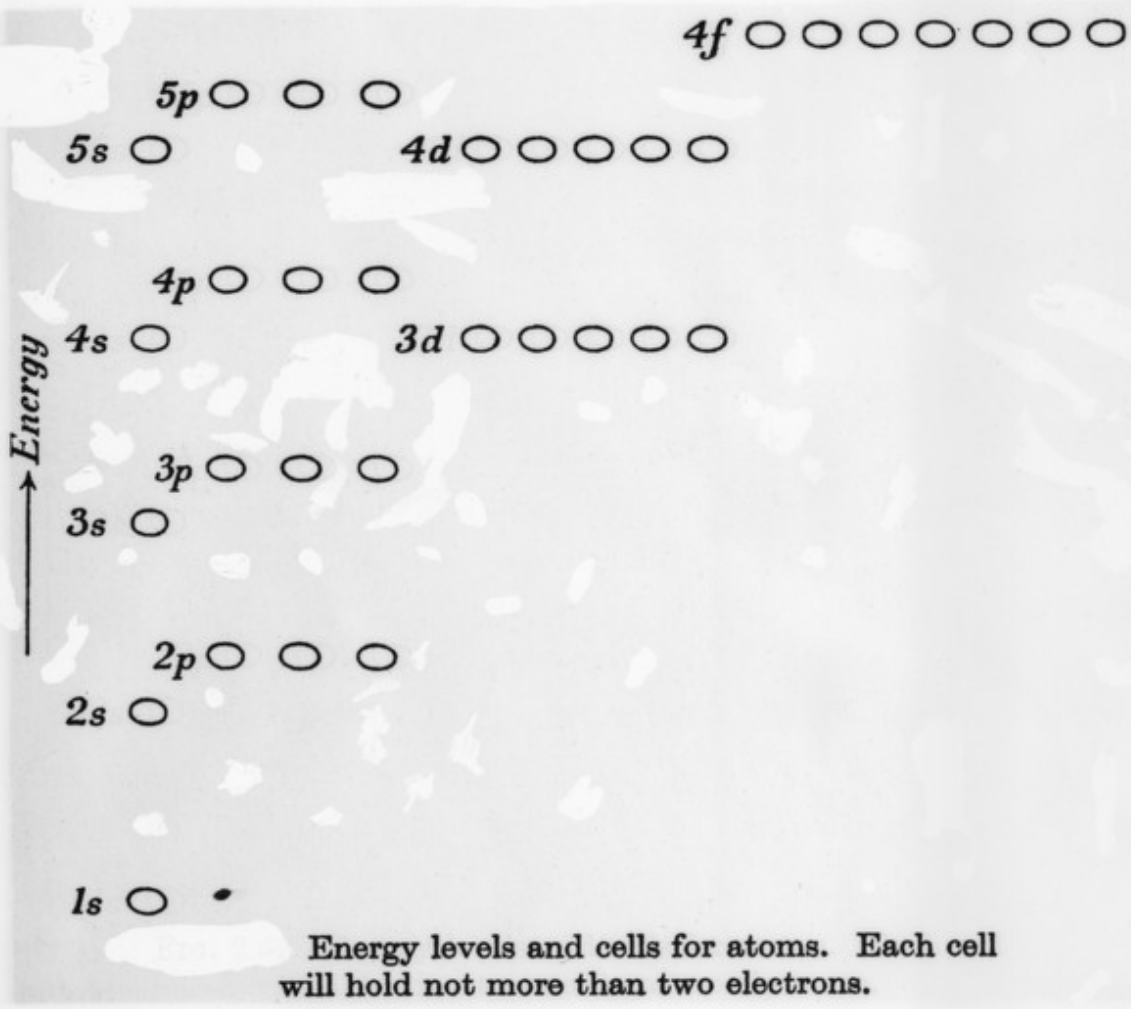
the wave equation. This energy measures very approximately the work required to remove this particular electron, i.e. to ionize the



Energy levels and cells for atoms. Each cell will hold not more than two electrons.

atom. Each type of electron has its own ionization potential. The order of energies is (see Fig. 6)

$$1s < 2s < 2p < 3s < 3p < 3d \sim 4s \ldots,$$

and the order of ionization potentials is, of course, just the reverse of this. The total energy of an atom is now the sum of the energies of all the a.o.'s which are occupied by electrons, corrected for