

**Table 1: Separation energies**  
(data from Krane Tab 3.1)

Nuclide	$S_n(\text{MeV})$	$S_p(\text{MeV})$
$^{16}\text{O}$	15.7	12.1
$^{17}\text{O}$	4.1	13.8
$^{17}\text{F}$	16.8	0.6
$^{40}\text{Ca}$	15.6	8.3
$^{41}\text{Ca}$	8.4	8.9
$^{41}\text{Sc}$	16.2	1.1
$^{208}\text{Pb}$	7.4	8.0
$^{209}\text{Pb}$	3.9	8.2
$^{209}\text{Bi}$	7.5	3.8

**Fig 1: Binding energy per nucleon** <http://courses.engr.illinois.edu>

