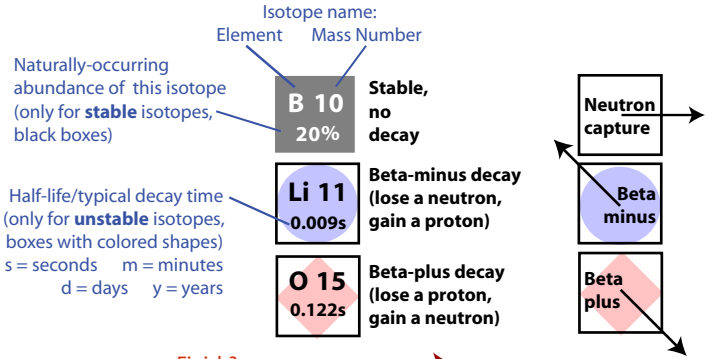
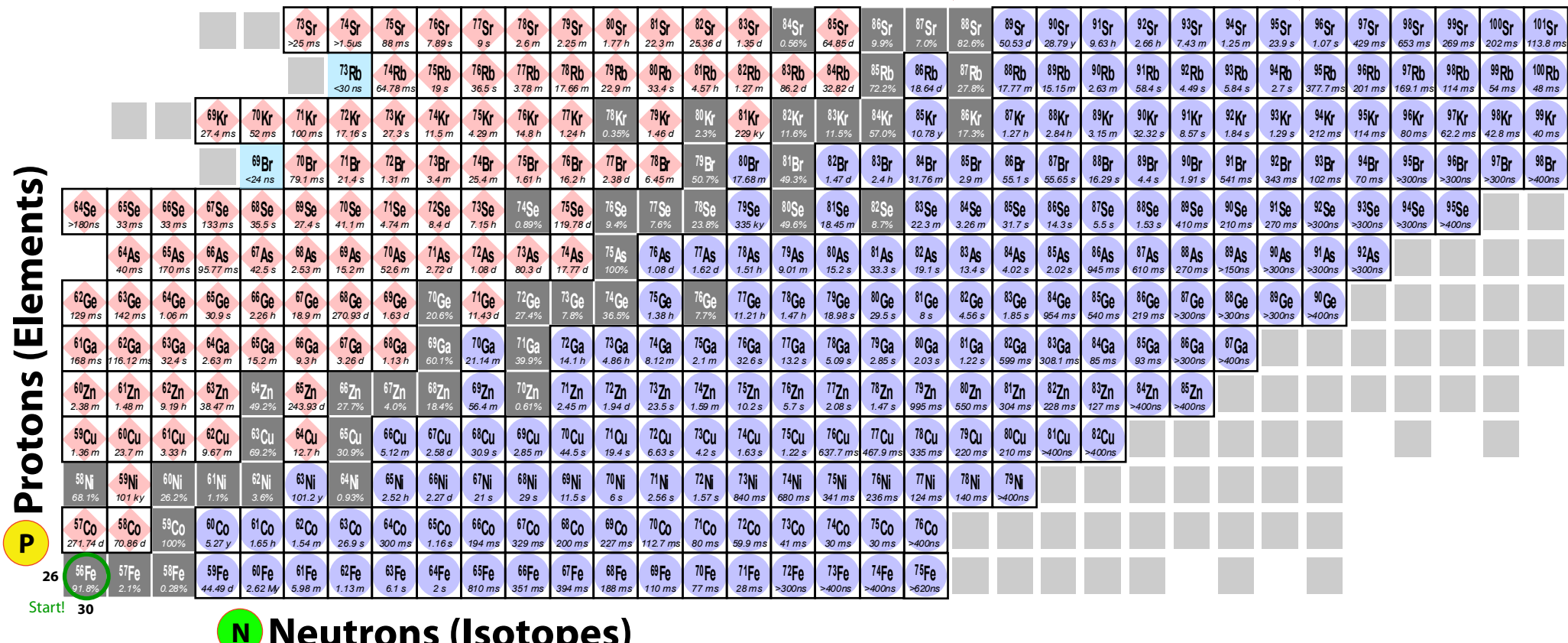
Nuclear Astrophysical Processes
on the Partial Chart of the Nuclides

Start at the endpoint of fusion: ^{56}Fe
S-process simulation: capture one neutron every **10 years**
(follow both capture *and* decay paths when half-life is in the range 5-20 years)
R-process simulation: capture one neutron every **100 ms**
(follow both capture *and* decay paths when half-life is in the range 50-200 ms)
See what isotopes you make... the **finish line** is the heaviest isotope of strontium (Sr) you create!