

	Reactions	→	Products – absorption plus leakage – consumption + heat
Fusion breeder	$D + T$ $n + Be$ $1.6n + Li$ Total:	→ → → 	$n + 17.6\text{MeV}$ $2.3n - 0.7n$ $1.6T - 1T + 7.7\text{MeV}$ $0.6T + 25\text{MeV}$
Fission breeder	$n + {}^{235}\text{U}$ $0.6n + Li$ Total:	→ → 	$2.5n - 0.9n - 1n + 200\text{MeV}$ $0.6T + 3\text{MeV}$ $0.6T + 200\text{MeV}$

Table 5.5: Fusion and fission tritium breeding reactions in dedicated facilities.
Adapted from W.A. Lokke and T.K. Fowler, Report UCRL-94003, Lawrence Livermore National Laboratory (1986).