In fast breeder reactor the neutrons are very fast, there is no moderator. Due to absorption of fast neutrons, a fission chain reaction starts.

Through this reactor we can produce different types of nuclear fuel. If we cover U-235 fuel by blanket of U-238, so neutrons will collide with U-238. Then,

01n+92 238U 92 239U + gamma 93 239 Np + e-  94 239 Pu +e-