

2023 核工程概论（英）考试回忆版

1. What are the six quantities? What the relationship between the six quantities and the multiplication factor?
2. What the demand of η for converter and breeder? Explain why.
3. Plot three figures to show neutron flux in fast, resonance and thermal energy ranges.
4. What are the commonly methods for isotope separation? Give the principles and comparison.
5. What is the Spent fuel, SWU and Yellow cake?
6. Suppose you are Li Hua, please give your opinions of Gen. IV reactors. Which Gen. IV reactor do you prefer? Give your development strategies of it.