

10. It is a single stage reaction & quick process	It is multi-stage reaction
11. By products are harmful	By products are safe
12. It produces nuclear pollution.	It produces thermal pollution.

DIFFERENCE BETWEEN CHEMICAL REACTION & NUCLEAR REACTION:

Chemical reaction:	Nuclear reaction
In this reaction, only outer most electrons take part while nuclear composition remains the same.	In this reaction, nucleus of an atom is involved so nuclear composition is changed.
It may be reversible.	It is irreversible.
No new atoms are formed.	New nuclei are formed.
Total number of atoms should be conserved.	Total mass number & atomic number are conserved
It is influenced by the change in pressure & temperature.	It is not influenced by the change in pressure & temperature.

Simplified Note