

Pyroprocessing

Prelims: Current events of national and international importance | Science and Technology

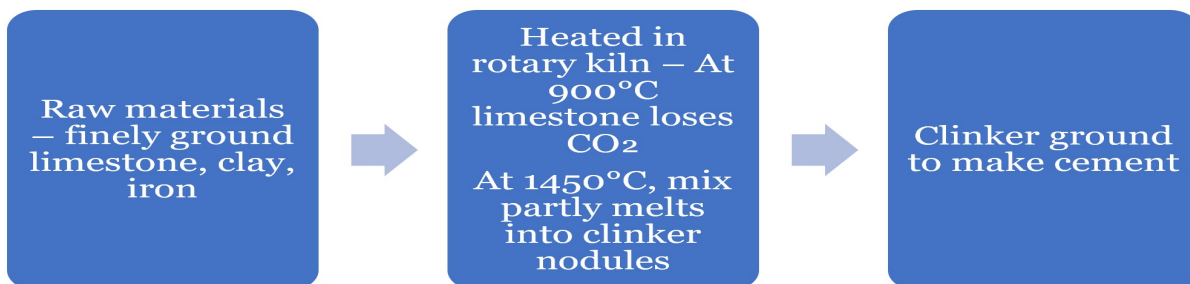
Why in News?

Recently, pyroprocessing has been highlighted in discussions on energy-intensive industrial technologies.

- **Pyroprocessing** - It is a way to change a solid material physically or chemically using high temperature.
- It is a dry process and very energy-intensive.

Industrial usage -

- **Cement Industry** - In cement, it makes clinker for cement.

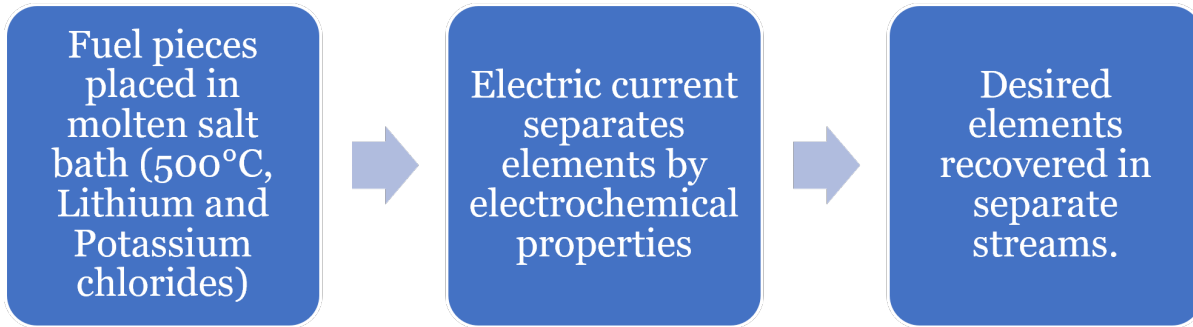


- **Metallurgy** - In metallurgy, it extracts metals from ore.



- **Nuclear Industry** - It helps recycle used fuel by separating elements in molten salt.
- Applied to reprocess spent nuclear fuel.

- Developed in 1980s-1990s for advanced reactors.



Reference

[The Hindu | Pyroprocessing](#)

