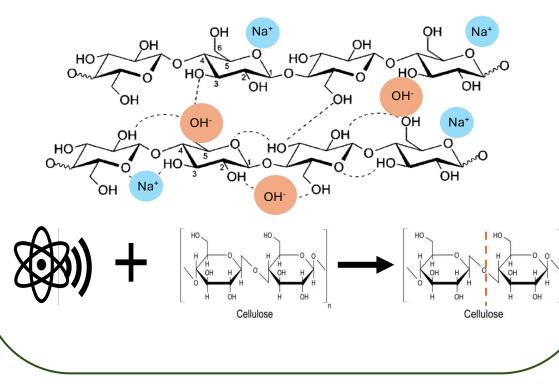


Optimization of Alpha Cellulose and N-Cellulose Solubility in Sodium Hydroxide



Purpose

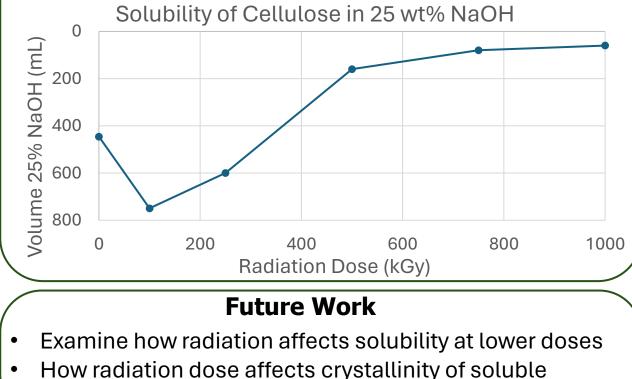
- Cellulose has limited industrial uses because of its low solubility
- Ionic liquids have been used but are not good for the environment
- NaOH works in a similar method to disrupt hydrogen bonds
- Gamma irradiation will degrade cellulose





cellulose





Results