

Assignment-2
Chemistry_Honours
2nd Sem
Silapathar College
(To be submitted by 8th June)

- Q1. Discuss the mechanism of chlorination of an alkane.
- Q2. Explain why iodination of methane is slower as compared to chlorination, though iodine-iodine bond is weaker than chlorine-chlorine bond?
- Q3. Discuss the reactivity of halogens towards methane?
- Q4. How will you prove that mechanism of chlorination of methane involves the formation of free radicals as intermediate?
- Q5. "Chlorination of hydrocarbons is an exothermic reaction and yet, it requires high temperature and exposure to high energy ultra violet radiations for its success." Explain.
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