

Appendix A – Surface Area

CDLI - Centre For Distance Learning and Innovation. (n.d.). *Welcome to CDLI :: Centre for Distance Learning and Innovation*. Retrieved April 1, 2020, from CDLI: <https://www.cdli.ca/learning-content/science/chemistry-3202/chem3202/unit-01/org01-ilo03/b-activity.html>

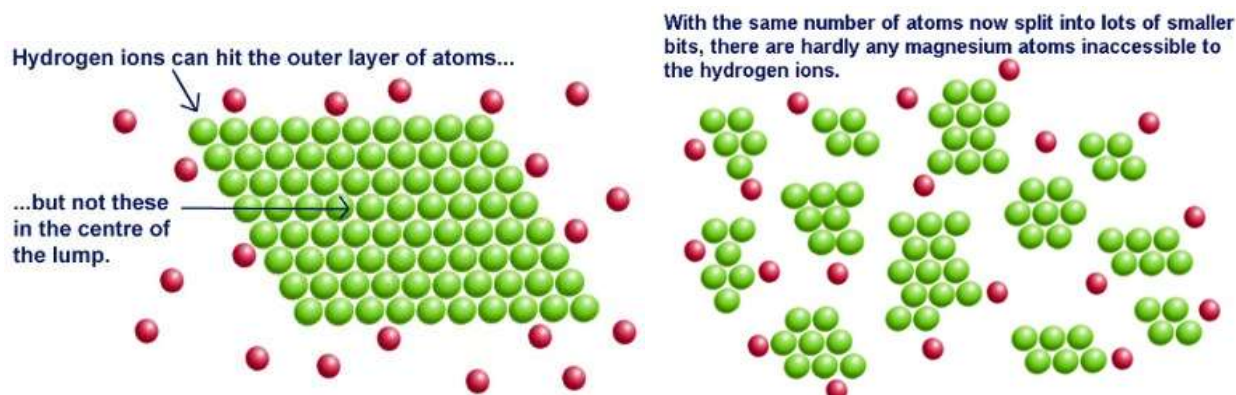
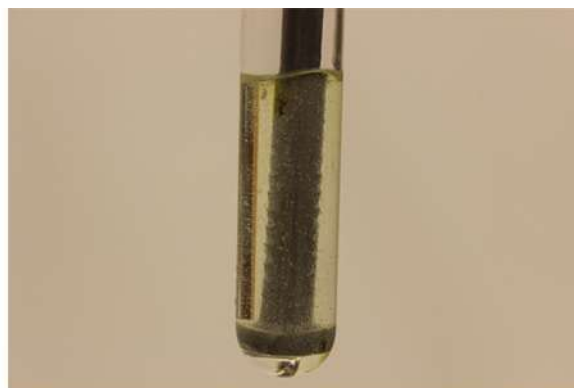


Figure 1. (a) Iron powder reacts rapidly with dilute hydrochloric acid and produces bubbles of hydrogen gas because the powder has a large total surface area: $2\text{Fe}(s) + 6\text{HCl}(aq) \rightarrow 2\text{FeCl}_3(aq) + 3\text{H}_2(g)$. (b) An iron nail reacts more slowly.

Open Text BC Authors. (n.d.). *12.6 Reaction Mechanisms - Chemistry*. Retrieved April 3, 2020, from Open Text BC: <https://opentextbc.ca/chemistry/chapter/12-6-reaction-mechanisms/>



(a)



(b)