

## Apollo 13

Solid lithium hydroxide is used in space vehicles to “scrub” and remove exhaled carbon dioxide from the living environment by forming solid lithium carbonate and water. How many grams of lithium hydroxide must be on board to remove the  $\text{CO}_2$  exhaled by a typical human in 24 hours? How much water is produced in the 24 hour period per human?

If the Lunar Module on Apollo 13 was built for two men for 48 hours and three men were forced to occupy, how long before the  $\text{CO}_2$  levels got dangerous?