

TODAY ① Balancing equations
12-MAY competition (starter).

② (Aldow) titration calculation.

③ Reacting masses and yield.

Unknown concentration of Calcium hydroxide $\text{Ca}(\text{OH})_2$ solution — 20 cm^3 is found to be neutralized by 12 cm^3 of 0.5 M HCl . What was $[\text{Ca}(\text{OH})_2]$?

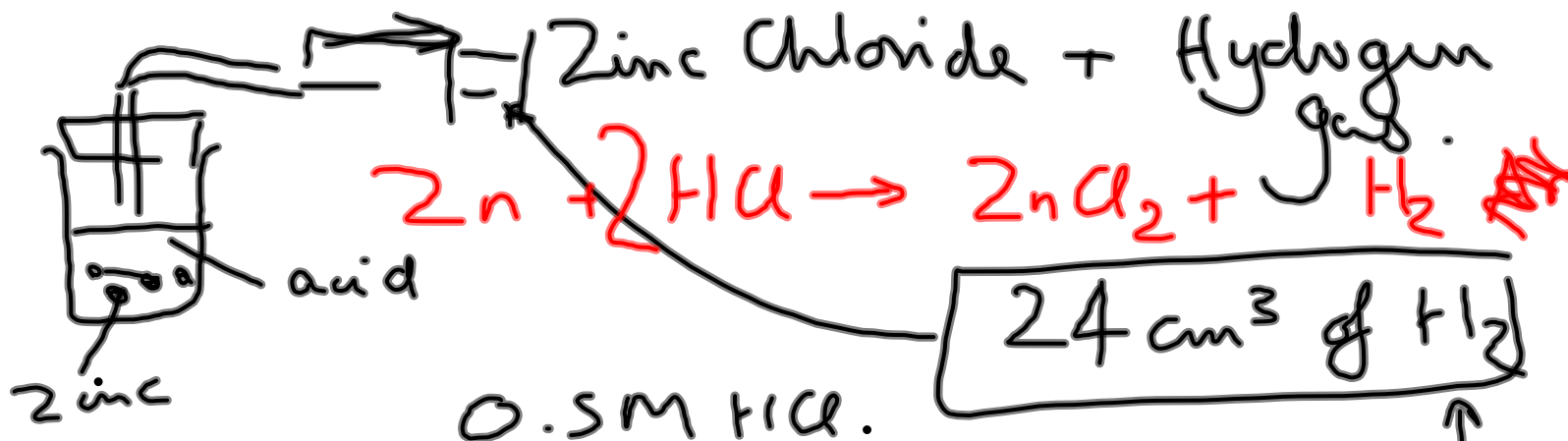
① Write a balanced equation. . .

② How many moles of HCl ?

③ How many moles of $\text{Ca}(\text{OH})_2$?

④ What was $[\text{Ca}(\text{OH})_2]$?

Zinc + Hydrochloric acid



What mass of zinc reacted?

Gay-Lussac

Ar_{Zn} = 65.4g

Ar_H = 1

0.0654g

1/1000 md.

Rust (Fe_2O_3) can be got rid of by treating iron railings with carbon monoxide (CO) gas, turning it into iron.



If we had rusty railing weighing 5.3kg how much would the pure iron railing weigh?

1. Balanced eqn
2. Moles of Fe_2O_3 ?
- 3 Moles of Fe? 4. Mass of Fe?