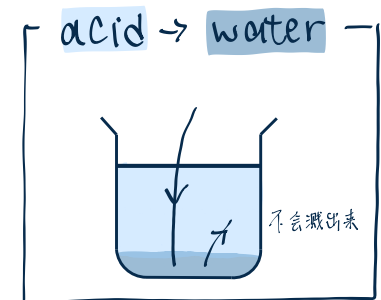
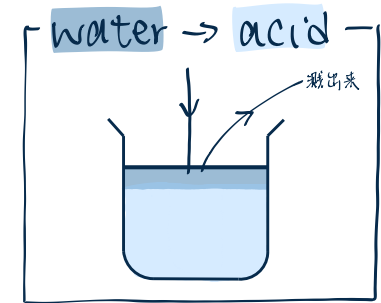


# Diluting conc. acids

## 1 Qualitatively

- pour the acid to distilled water slowly, stir the solution → ↓ temperature  
(酸加水, 慢慢嚟, 搞搞震)
- 为何不把水加至 acid 里?
  - ① water is less dense than acid (比较 Mr)
    - + ↳ water floats on top of conc. acid
  - ② process is highly exothermic (= gives out a lot of heat)
    - = ↳ local heating effect
- ⇒ water splashes out w/ conc. acid → highly corrosive



## 2 Quantitatively

- 未教