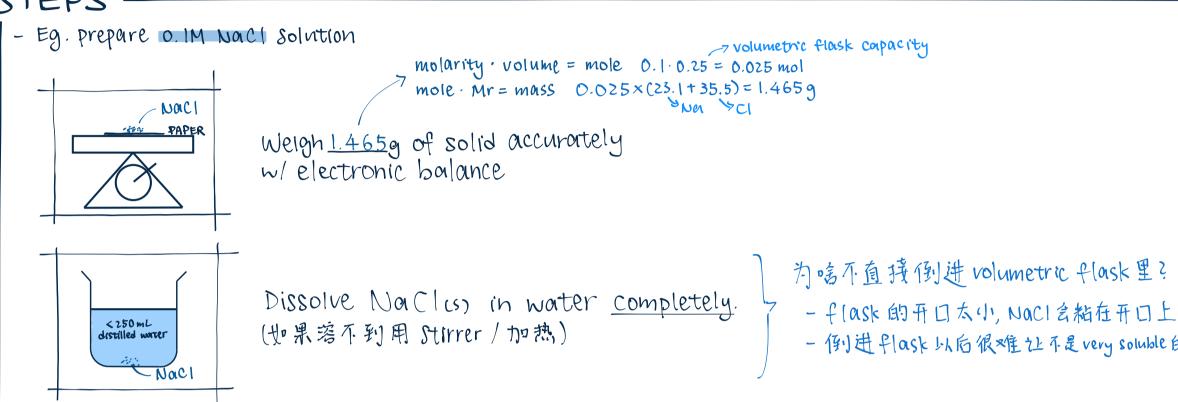
# reparing standard solutions

# 1a Direct weighing method

## REQUIREMENTS FOR PRIMARY STANDARD

- Soluble in water - × react w/air
- X hygroscopic
- non-volatile
- non-toxic
- l2 (S) volatile > sublimes KMnO4(s) Strong OA, reactive performed for neutralises by reacting w/ CO2 NOIOH(S) hygroscopic

### STEPS -



volumetric flask. Rinse the beaker w/ distilled worter.

Pour solution in beaker to the

Transfer all the washings to the volumetric flask.

Add distilled water to volumetric flask until it reaches 250 cm3 graduation mark. Add a stopper then Shake well to dissolve.

- 例进引ask以后很难让不是very soluble的物质溶在水里

避免还有Nac 遗在J beaker 里

## 1b Other method (未教).

## 2 Double standardisation

#### OBJECTIVES & METHOD

- find actual concentration of std. sol"
- eg. After weighing, some NazCO3 reacts w/ CO2.
  - 5 molarity of resultant Soln will be smaller than original.
- find by titrating against other std. soln.

#### STEPS

eg. prepared 1.0 M NazCO3 solution -> titrate against standard 1.0 M HC1

