CH10: titrations

1. Titration

### Part 1: Using a video

Watch video “Volumetric Techniques” from the MIT online learning course. (**Start at 7min30s end at 10min)**

Volumetric techniques<https://ocw.mit.edu/resources/res-5-0001-digital-lab-techniques-manual-spring-2007/videos/>

Which main key words did you hear in the video?

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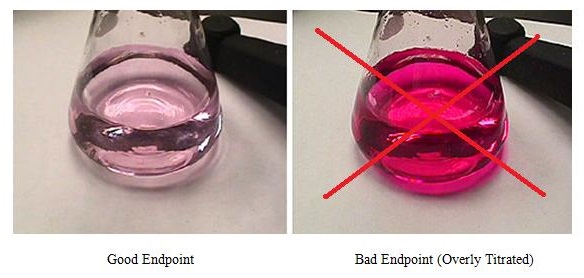
What is the objective in this lab experiment?

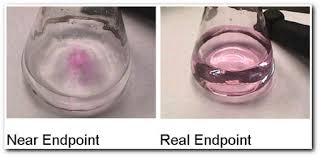
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### Part 2: Vocabulary help, filling in the blanks

|  |  |
| --- | --- |
| **English** | **French** |
| to get rid of air bubbles |  |
| to drain a burette to the 0 mark |  |
| to read at eye level |  |
| to disassemble |  |
| to overshoot an endpoint |  |
| to undershoot an endpoint |  |
| to near = to approach the endpoint |  |
| the endpoint |  |
| a rough titration |  |
| to add titrant in small increments |  |
| to add titrant one drop at a time |  |
| to disappear |  |

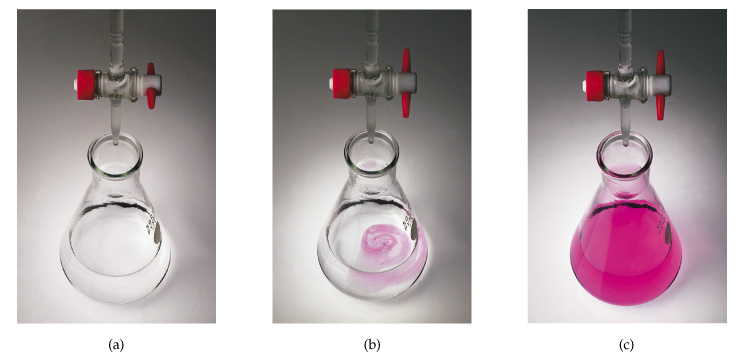
### Part 3 : Using a document

1) 

2)

What happened in document 1)? Explain in a sentence using the given vocabulary.

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3) 

Explain the three steps in the document above:

a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Activity summary

What you must remember:

* vocabulary associated with titration
* how to check for the endpoint
* how to carry out a titration

Skills linked to the curriculum:

|  |  |
| --- | --- |
| **Compétences** | **Capacités à maitriser** |
| * APP | |  | | --- | | * Connaître le vocabulaire lié au titrage | |
| * COM | * Savoir expliquer le repérage d’une équivalence |