

Laboratory Equipments

Bunsen burner, Microscope and Laboratory Safety

Hazard Warning Symbols



- Avoid shaking
- Keep away from flames and sparks
- Handle with great care

- Keep away from source of ignition, heat and sparks
- Avoid contact with air
- Keep away from one and another

- Keep away from *combustible materials* 易燃物質, flames and sparks
- Keep away from one and another

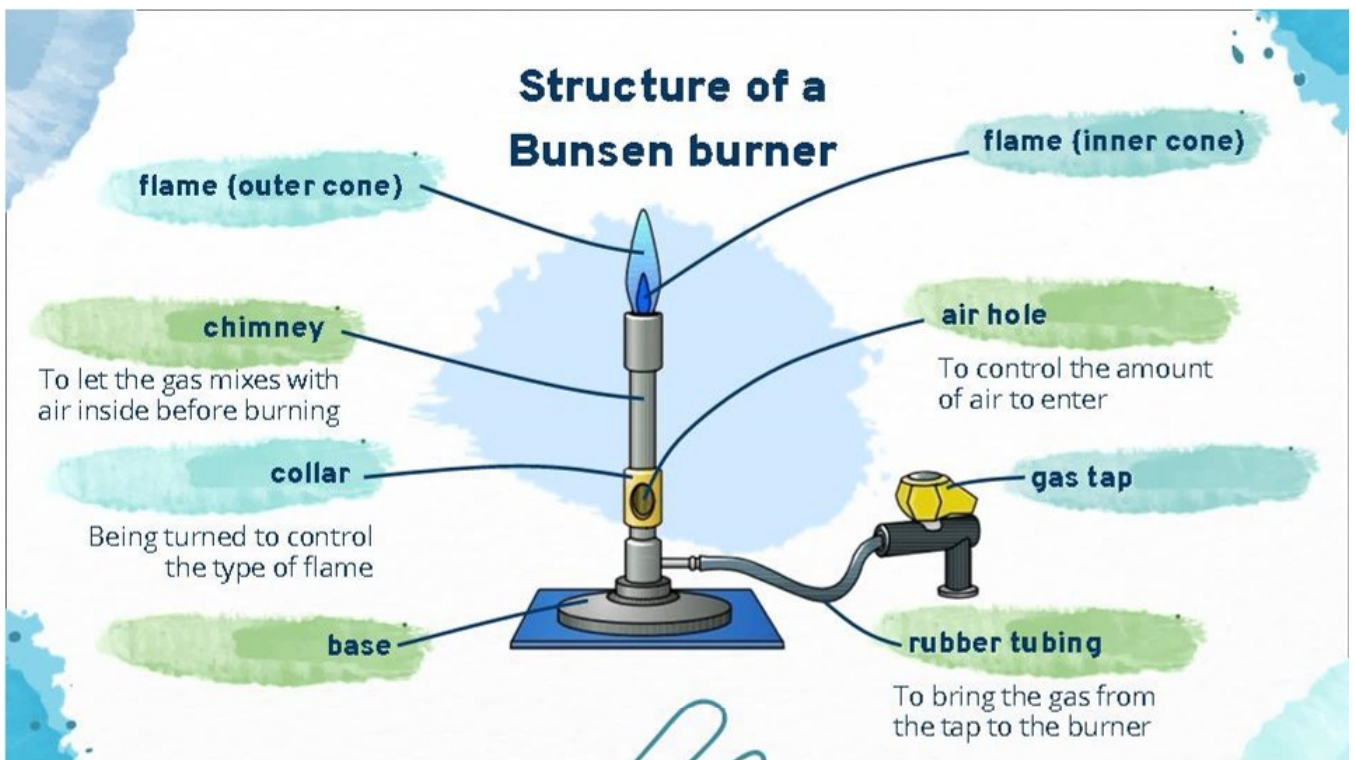
- Substances cause slight damage
- Avoid contact with human body
- Keep the room *well-ventilated* 空氣流通

- Wear protective gloves
- Keep the room well-ventilated
- Avoid contact with skin, eyes and clothing

- Substances may have an irritant effect on body
- Avoid contact with human body
- Keep the room well-ventilated

- Substances are hazardous and may even lead to death
- Avoid contact with human body
- Keep the room well-ventilated

Structure of a Bunsen burner



How to light a Bunsen burner

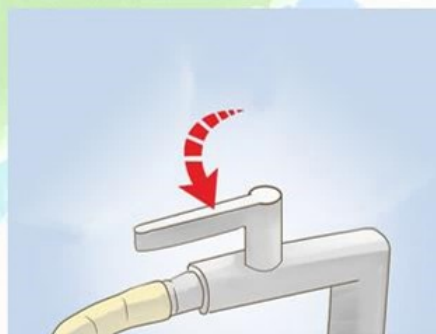


How to light a Bunsen burner

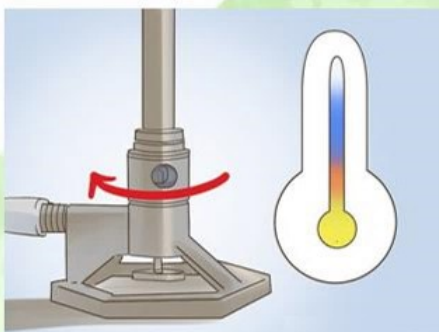


3. Bring a lighter over the chimney.

4. Turn on the gas tap.



How to light a Bunsen burner



5. Adjust the flame to turn it blue by slowly open the air hole.

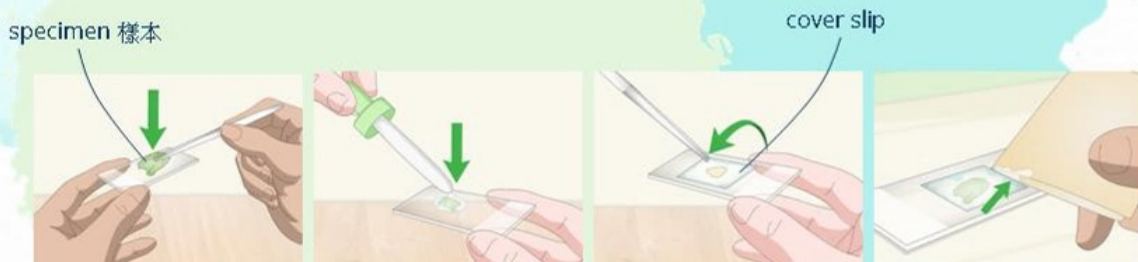
6. To turn off the flame, close the air hole and turn of the gas tap.



Structure of a Microscope 顯微鏡



How to use a Microscope



1. Prepare a slide of specimen.

How to use a Microscope

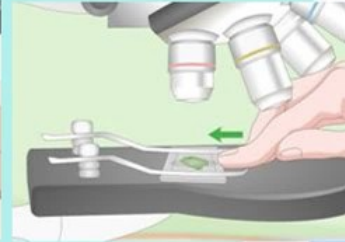
diaphragm 光欄



2. Open the diaphragm wide.



3. Adjust the mirror to reflect the light to where the slide is placed.



4. Clip the slide of specimen onto the stage.

How to use a Microscope

coarse adjustment knob
粗調節器

fine adjustment knob
微調節器



5. Turn the coarse adjustment knob until the objective is very close.



6. Look through the eyepiece with **both eyes open**. Switch to the next powerful objective lens.



7. Meanwhile, fine tune the focus by turning the fine adjustment knob.

How to use a Microscope



8. Observe and study the image.

THANKS



Do you have any questions?
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