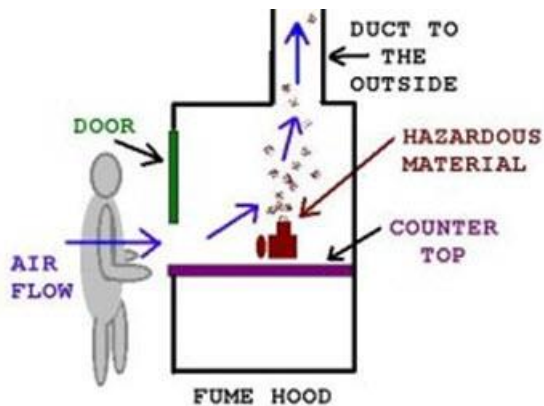


Basics

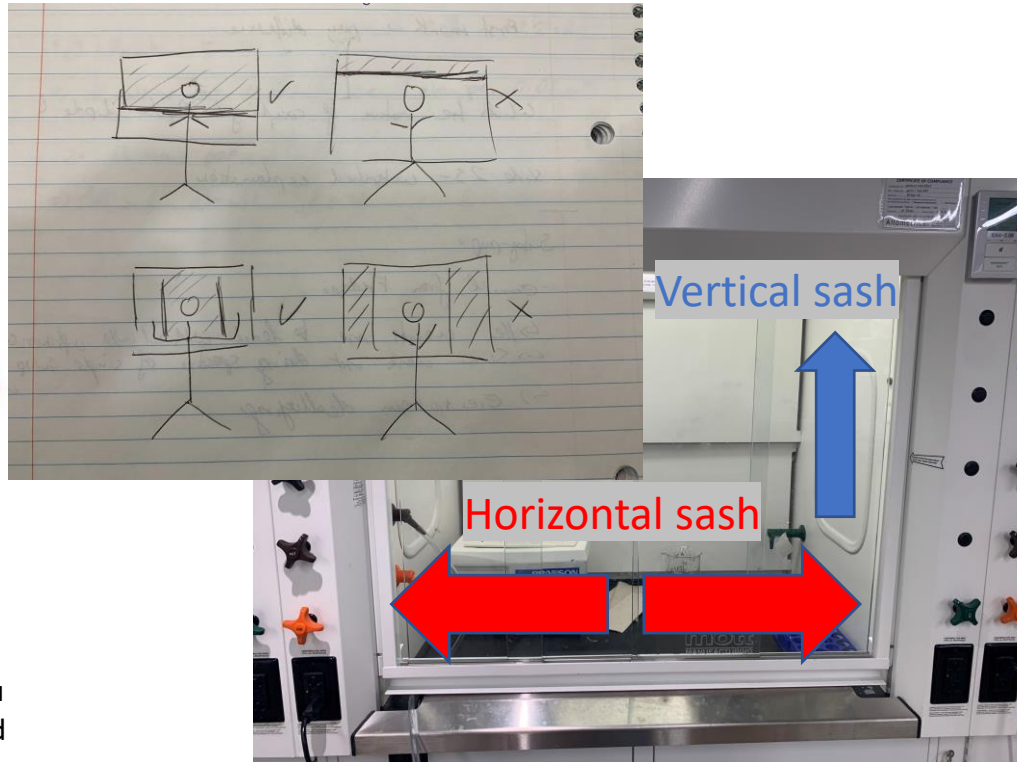
- Operating principle:
 - Air is sucked out by a fan, creating a flow away from user
- When to use:
 - When working with powdered or volatile compounds
 - When working with things that could blow up
- Hood does not protect sample: use biological safety cabinet (BSC) instead



<https://documents.uow.edu.au/content/groups/public/@web/@sci/@chem/documents/doc/uow059174.pdf>

Correct Use

- Always keep sash in front of face:
 - Vertical sash: only raise enough to stick hands through
 - Don't raise higher than indicated
 - Be careful when working with tall people!
 - Horizontal sash: reach around glass
- Check flow rate is appropriate



Flow Rate

- Measured at sash when open
- Low flow: 50 – 80 fpm (feet per minute)
- Regular: 80 – 120 fpm
- Sensor may not always be reliable
- Check certificate and recertify
- fpm is affected by:
 - Other open hoods
 - Equipment in hood
 - Gas production
- Flow rate may need to be adjusted



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