

How much of UBC's total energy do fume hoods consume?

- a) 5 %
- b) 10 %**
- c) 15 %
- d) 20 %

The answer was b) 10%

Remember to Shut the Sash.

Fume hoods are a piece of equipment that most chemists use, some daily! Fume hoods are fitted with movable sashes that provide a safety barrier between the hood interior and the laboratory. Sashes should be opened only to set up or modify an experiment, but some sashes are left open when not in use. An open fume hood can use as much energy as 3.5 homes!

There are over 1200 fume hoods in research labs across campus!

Variable air volume (VAV) fume hoods are designed to maintain a constant face velocity across the sash opening. Sash position is connected to the building's HVAC system so that the fan speed and the volume of air are reduced when the sash is lowered. VAV fume hoods are mostly found in newer labs at UBC that have been recently constructed or renovated. While only labs with VAV fume hoods have been invited to participate in Shut the Sash, it's best practice for all fume hood users to lower the sash when not in use.

<https://sustain.ubc.ca/campus-initiatives/green-research/shut-sash/shut-sash-faqs>