

## CHEMICAL SAFETY MOMENT

Issue 32 – July 2016

SDS Trivia: Under Section 8.2 - *Exposure controls (PPE)*, What does [glove] **breakthrough time** mean?

### What's Wrong Here?



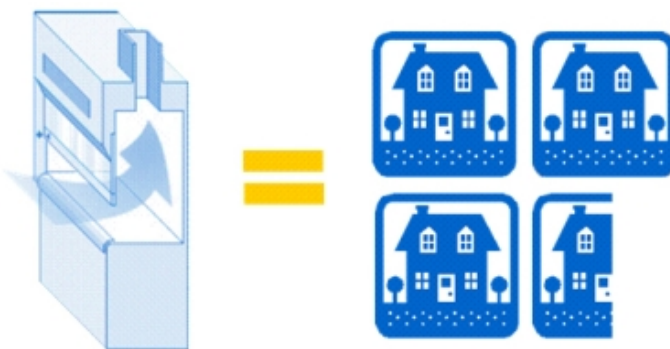
#### Rules for gas cylinder transport and use:

- Never move a gas cylinder without the screw cap in place! (even across the room)
- During transport, always use a cylinder cart with safety chain to secure the cylinder.
- When in use, secure the cylinder to a bench top or wall using a safety chain or strap.
- **NEVER** ride the elevator with a gas cylinder.



Gas cylinders can be dangerous.  
Scan to watch

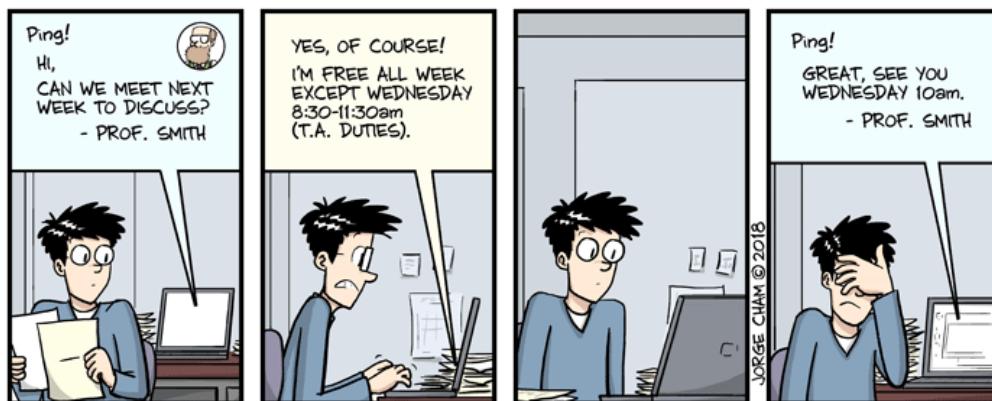
### Closing your Hood Sash Saves



A lowered hood sash not only provides protection for yourself and your colleagues but also reduces energy consumption. **One fume hood uses the same amount of energy as 3.5 homes per year!**

Many of our STEM departments have over a hundred hoods in their building, how many hoods are located in your lab? Are they often left open?

Do your part to stay safe and save energy, close your sash!



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Answer: **Breakthrough time**, in the context of chemical exposure, refers to the **time** between when a harmful chemical liquid touches the outside of a glove and when it breaks the surface to reach the skin.