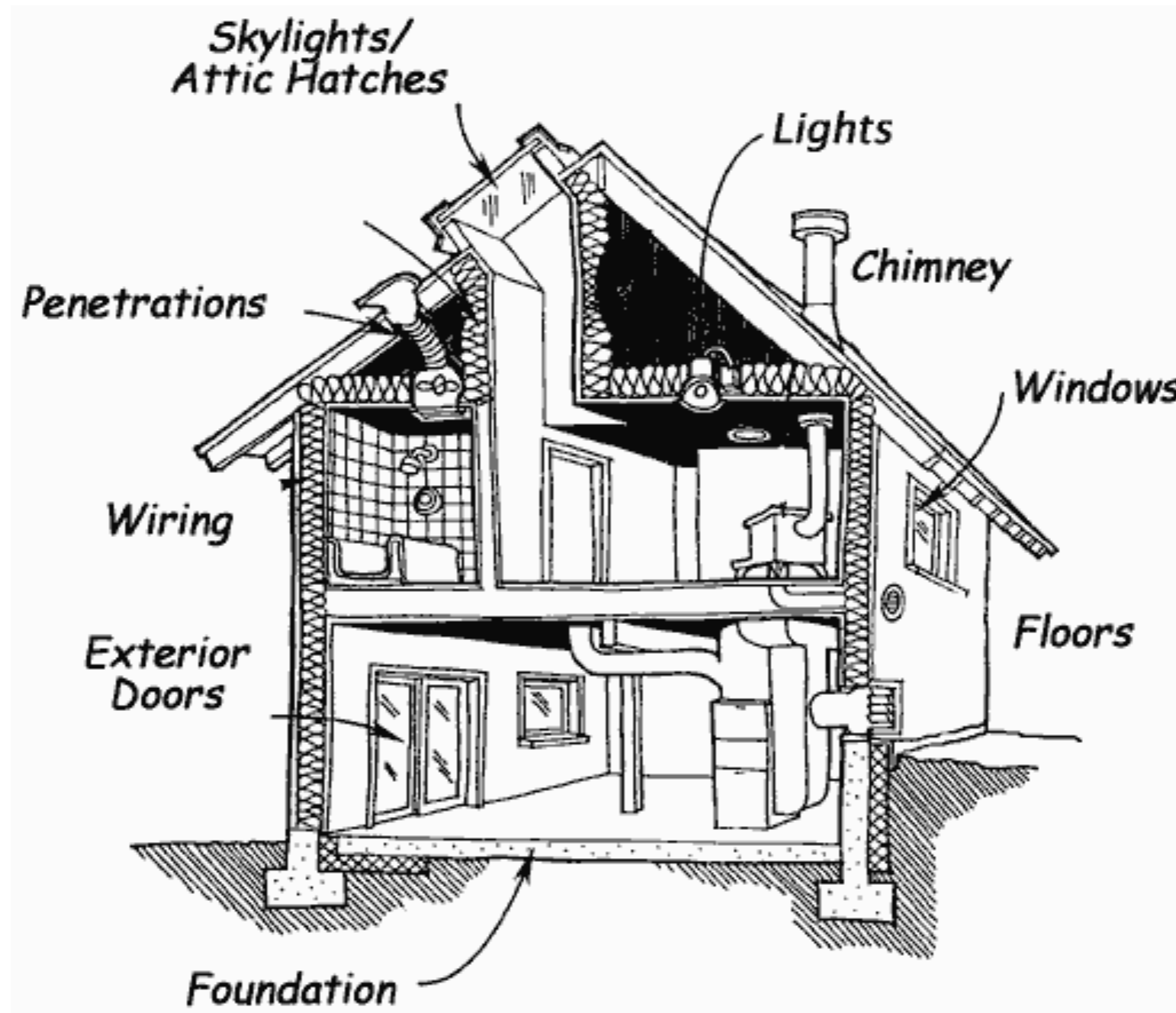


Passivhaus Indoor Air Quality



Conventional Home



This is why...

- Your HVAC contractor is really just a HAC contractor
- You need huge heating and cooling equipment
- You pay hundreds in heating and cooling every month
- You get allergens and pollutants in the house
- You breath like...

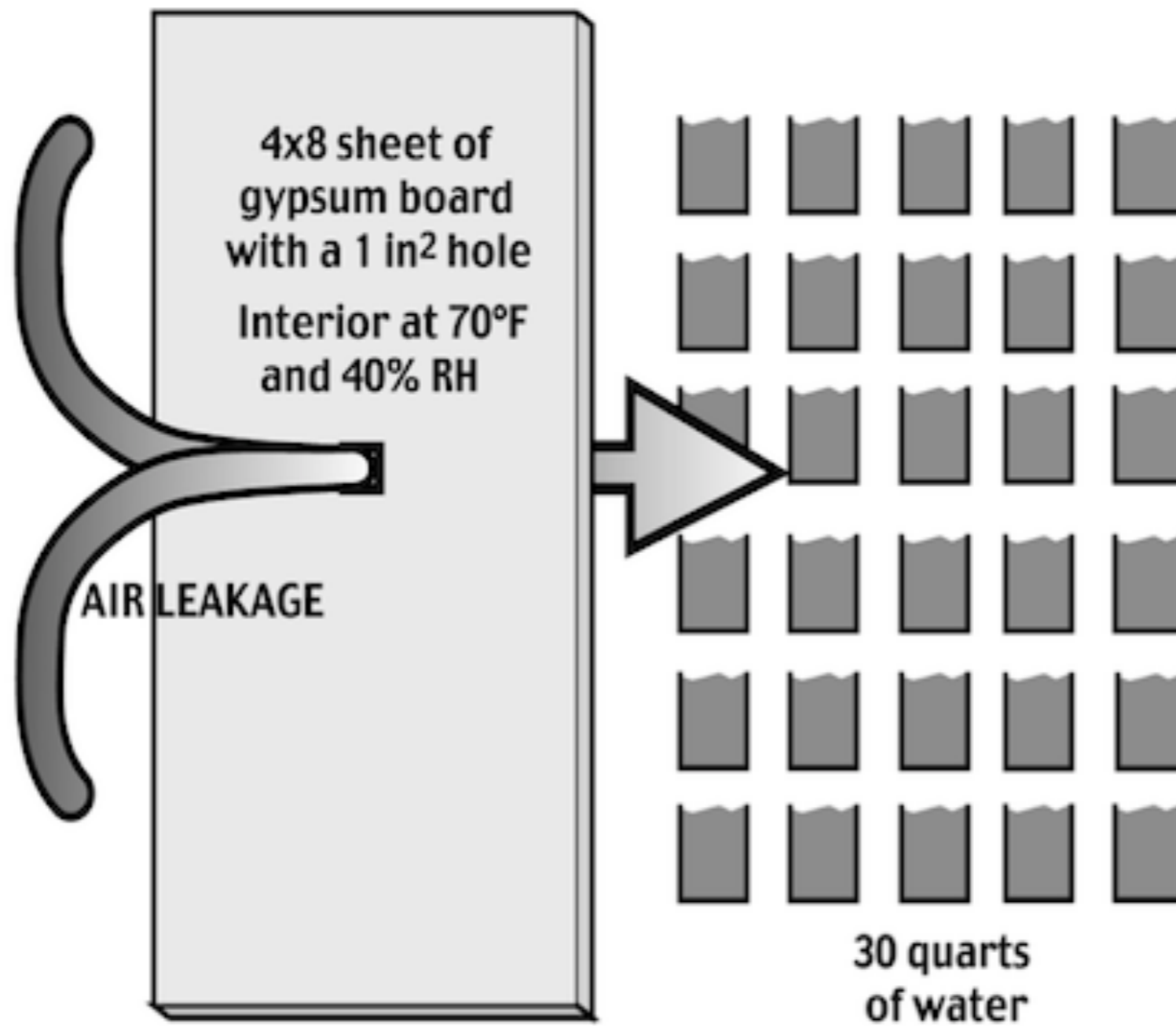
How do you breath?



Do you really want to breath this air?

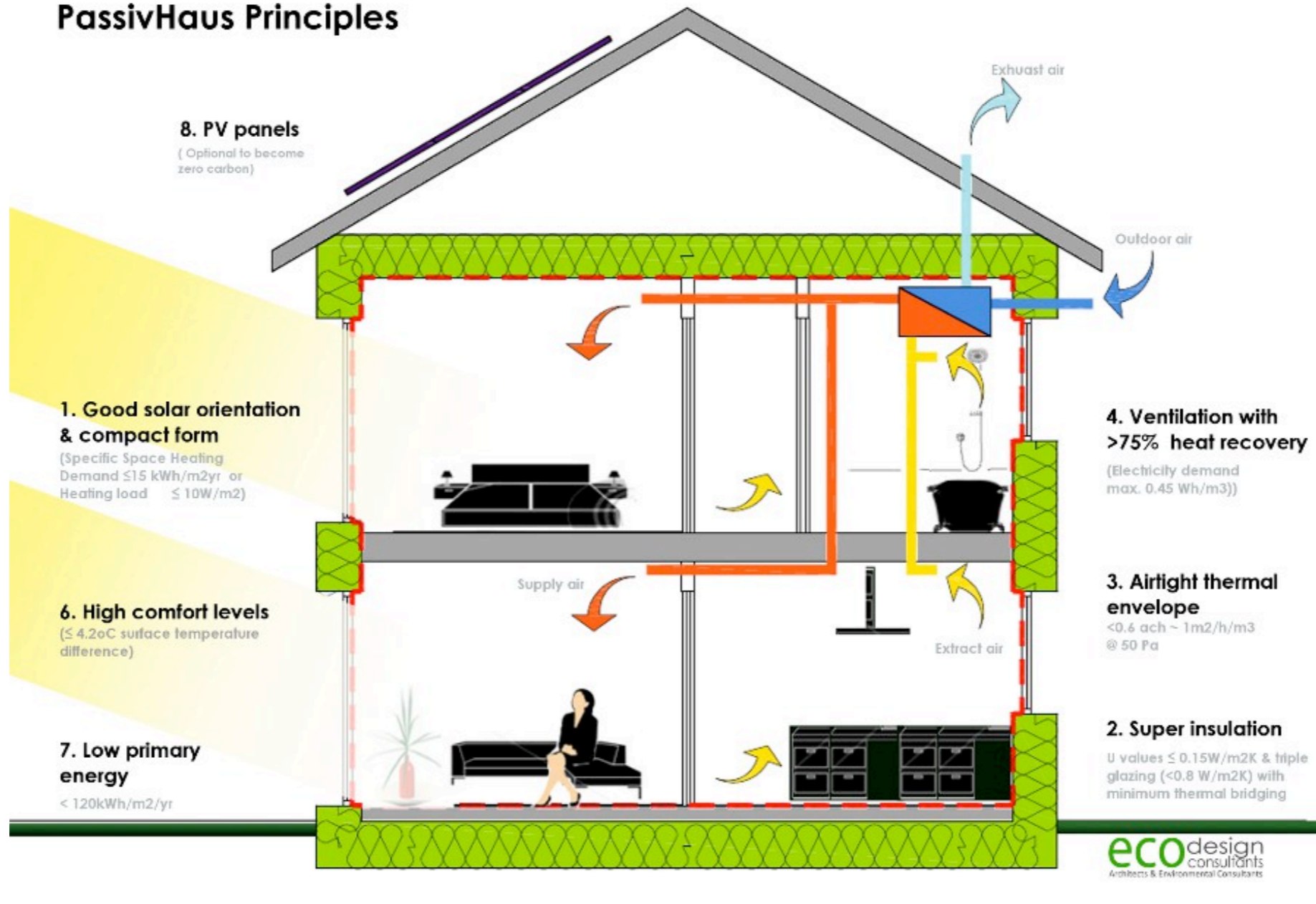


Why does it get moldy?

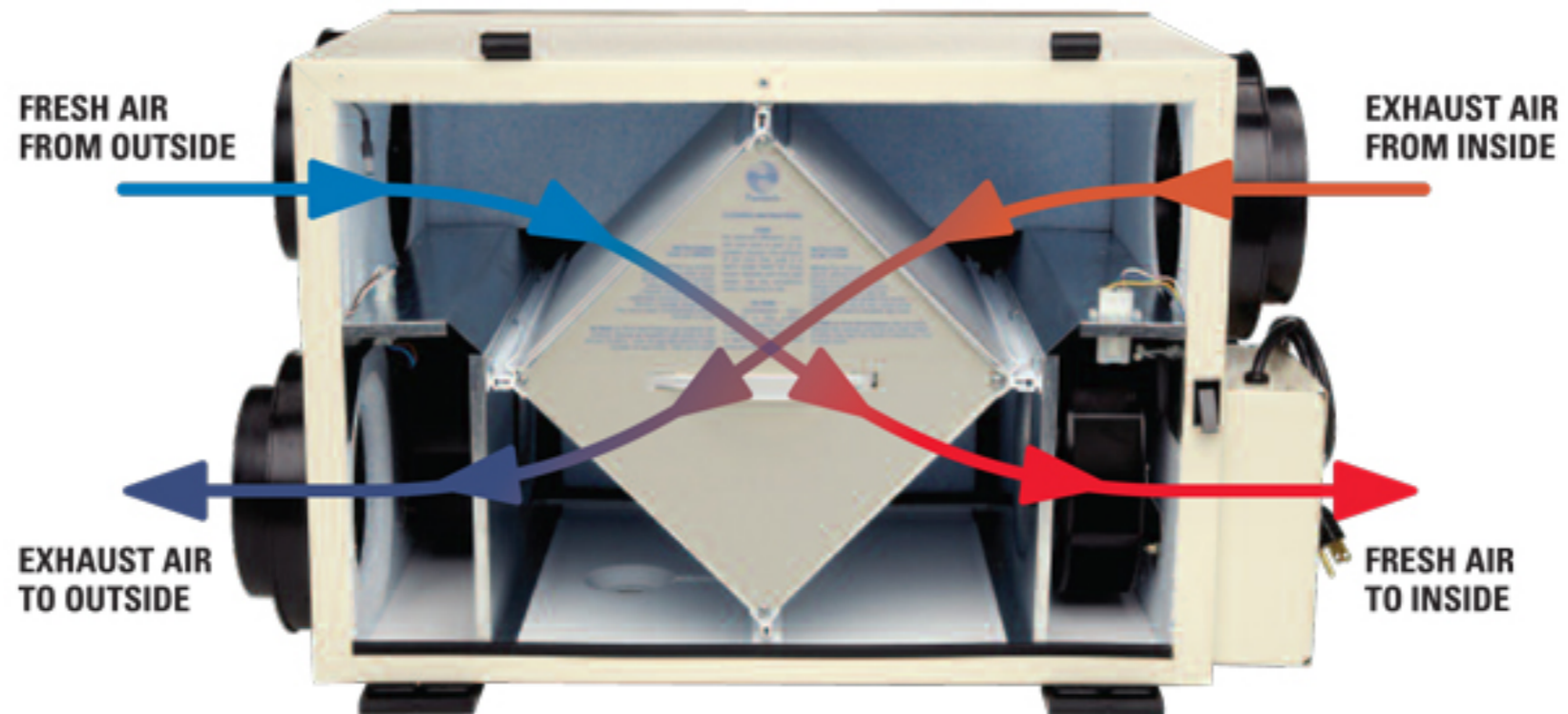


What can be done?

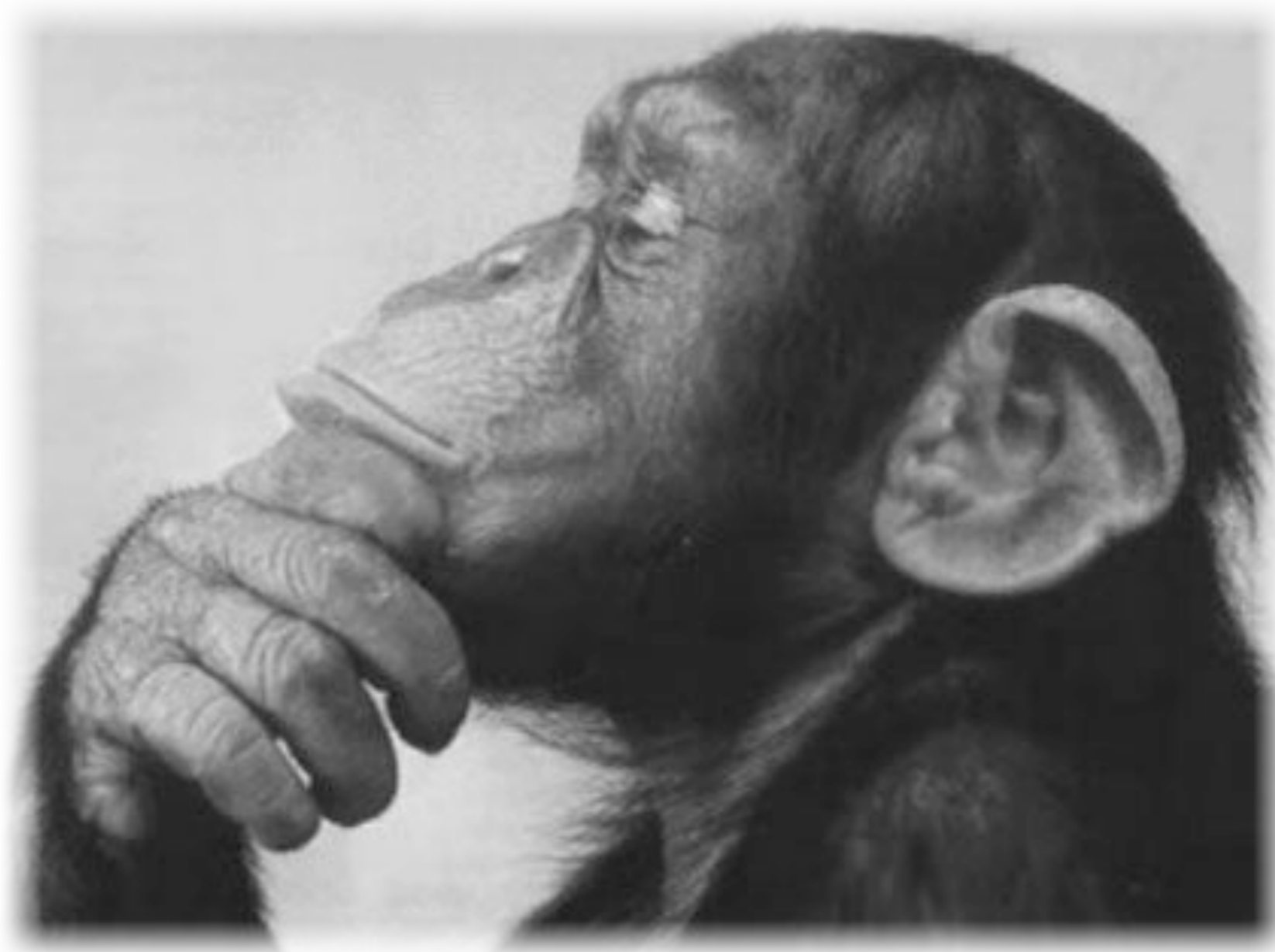
PassivHaus Principles



How does it work?



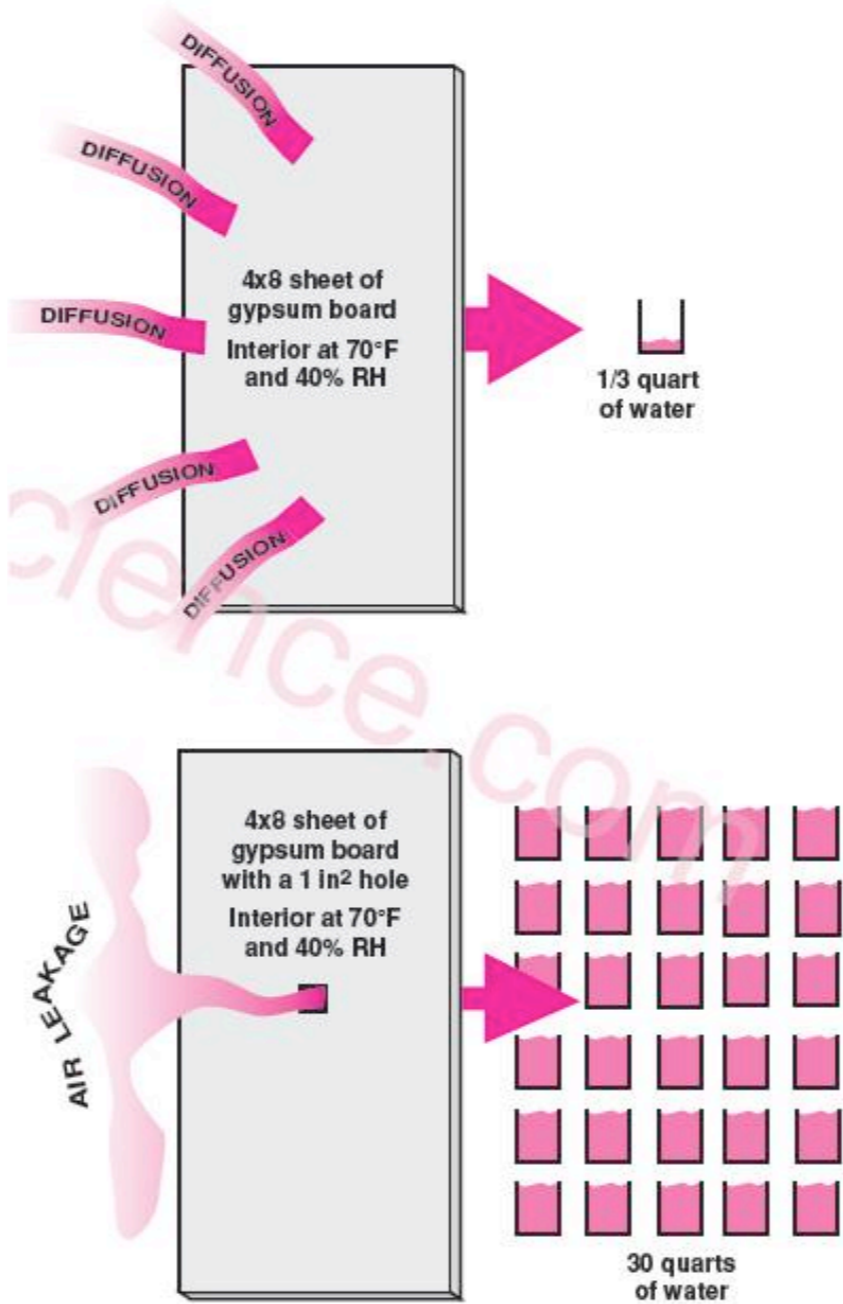
Now you can breath like



How TIGHT is TIGHT?

- The typical existing home: 29.7 ACH 50
(Lawrence Berkeley National Lab 1998)
- 2006 IRC: “Durably sealed to limit infiltration”
- 2009 IRC Requirement: 7 ACH 50
- 2012 IRC Requirement: 3 ACH 50
- Passivhaus: 0.6 ACH 50

The Difference



Why is this better?

- Controlled source and path of air = no moldy air
- Stale air and moisture is consistently removed
- Constant fresh air
- Air is pre-filtered before it gets to the rooms
 - higher quality fresh air
 - no pollutants or allergens