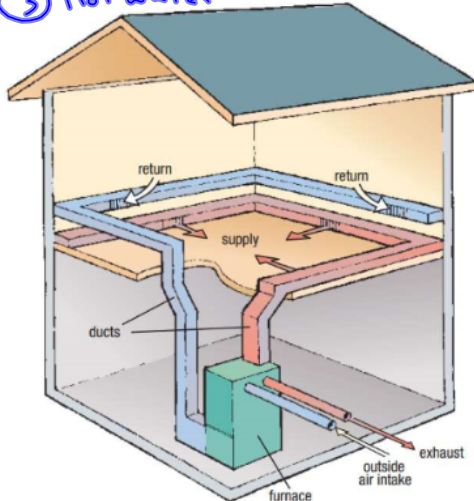


SPH3U 6.5 Heating and Cooling Systems

1. Conventional heating systems

3 conventional heating systems:

- ① Electrical ② Forced-Air.
③ Hot water

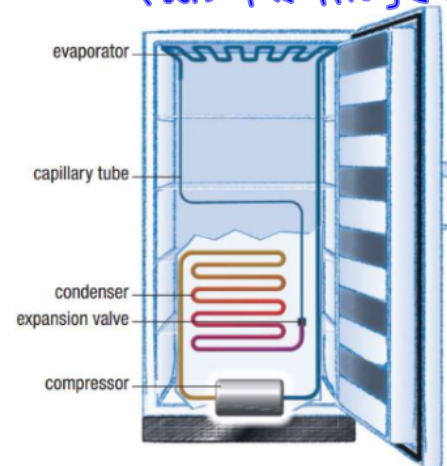


2. Conventional heating systems

Condenser:

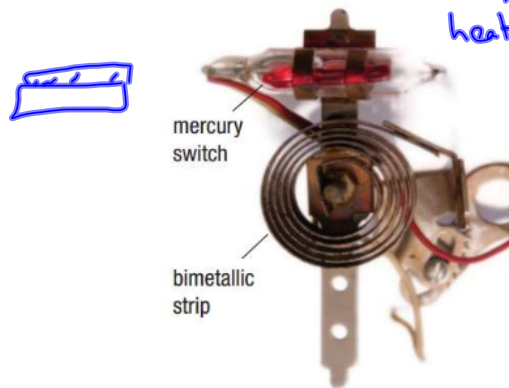
Evaporator:

cooling.
cools the refrigerant,
G → L, releases energy
L → G, absorbs energy,
cools the fridge.



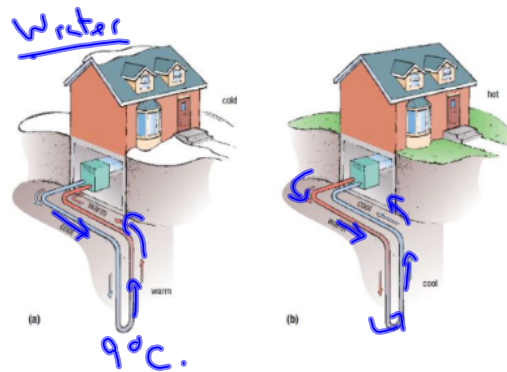
3. Controlling heating and cooling

Bimetallic strip: *two different metals that curl when they're heated.*



4. Geothermal systems

Temperature 3 m below ground: *around 9°C at all times of year.*



Homework: page 299:

#1, 4