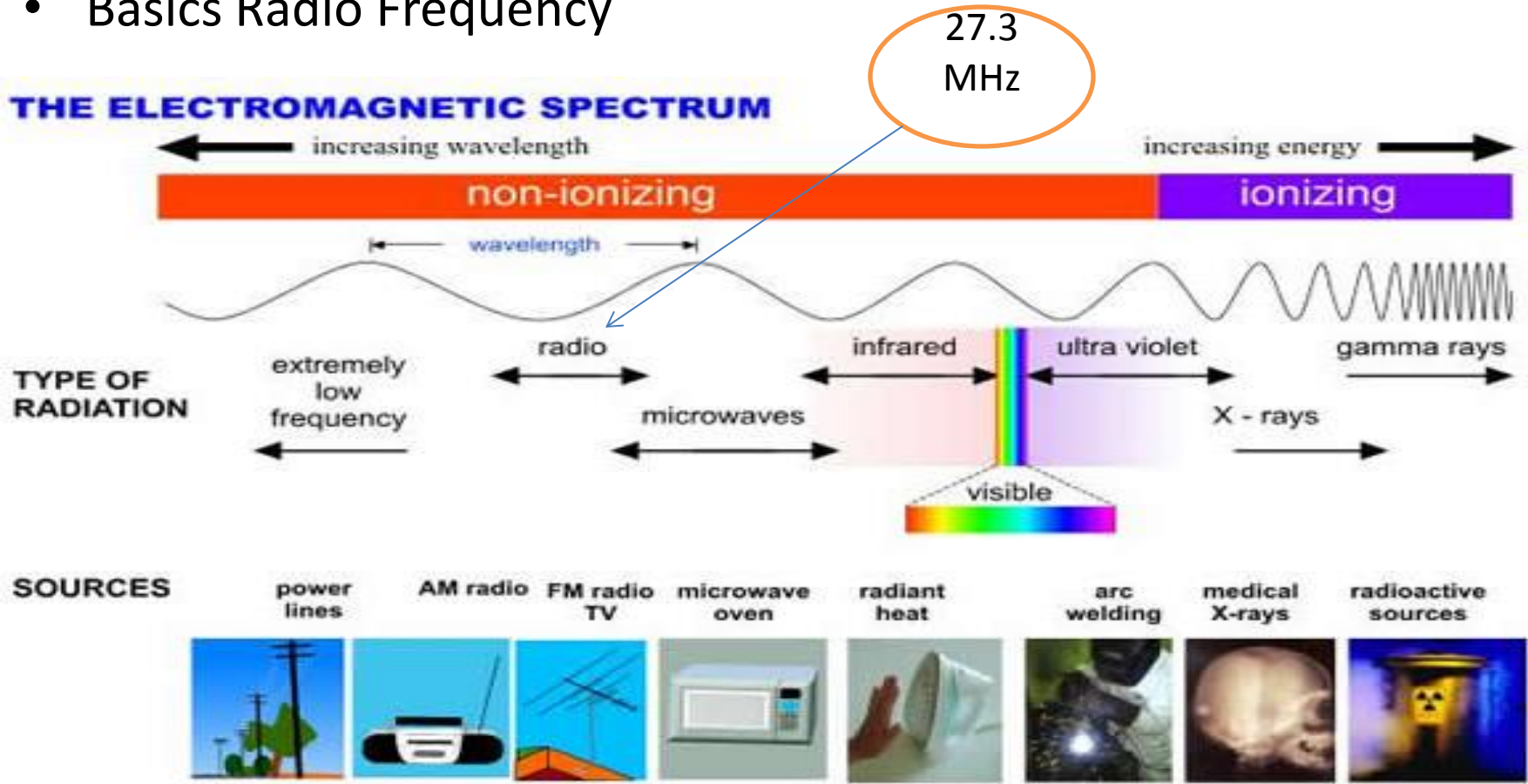


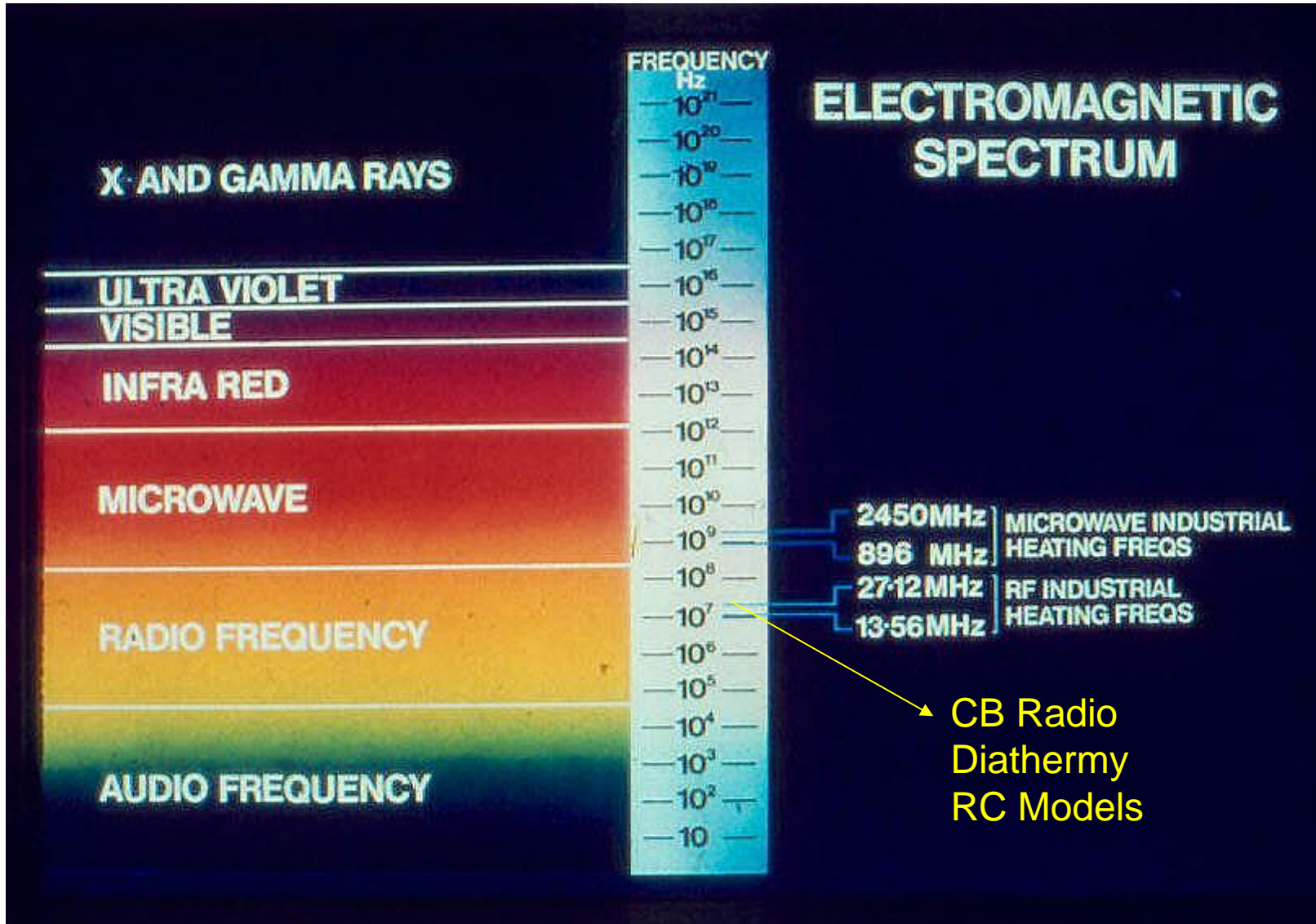
Principle

**Operating Principle of Strayfield
Industrial Radio Frequency Dryer**

**Entrapped water molecule is oscillated at
27 million times in a second**

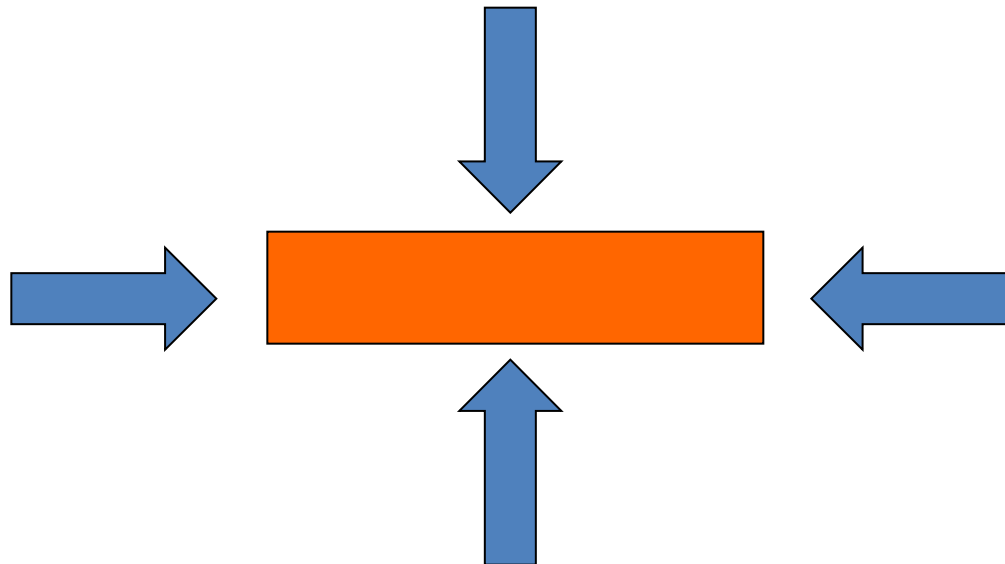
- Basics Radio Frequency





by

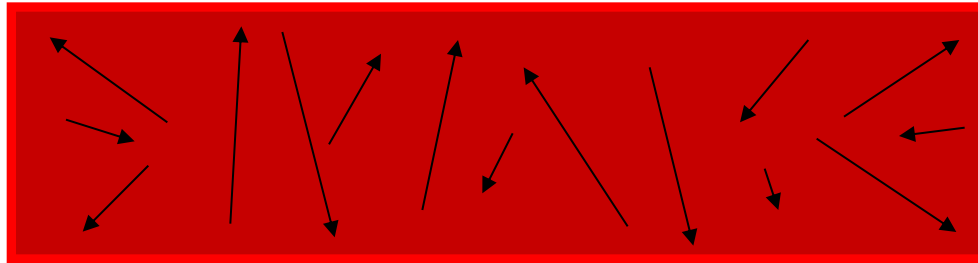
Impingement



- Convection
- Conduction
- Radiation

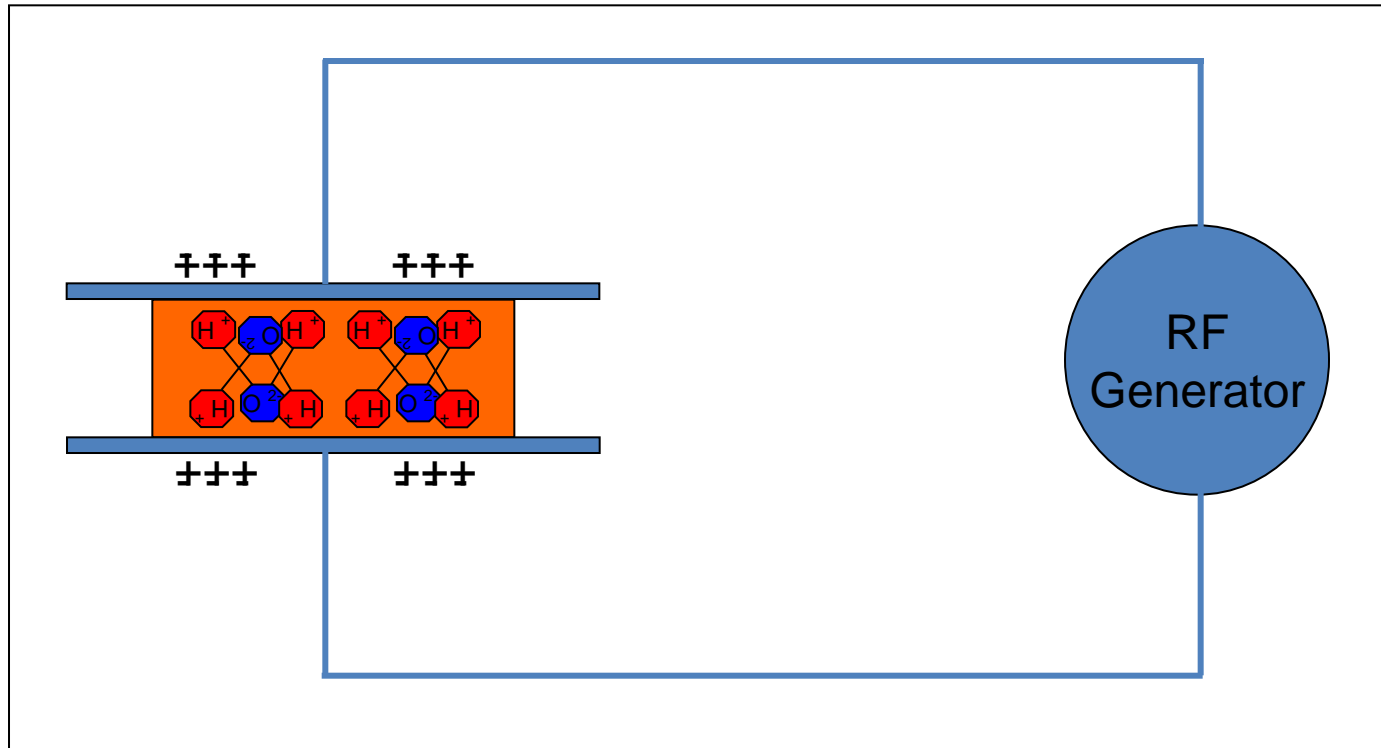
RF Heating
is
Volumetric Heating

Heat is Generated
INTERNALLY

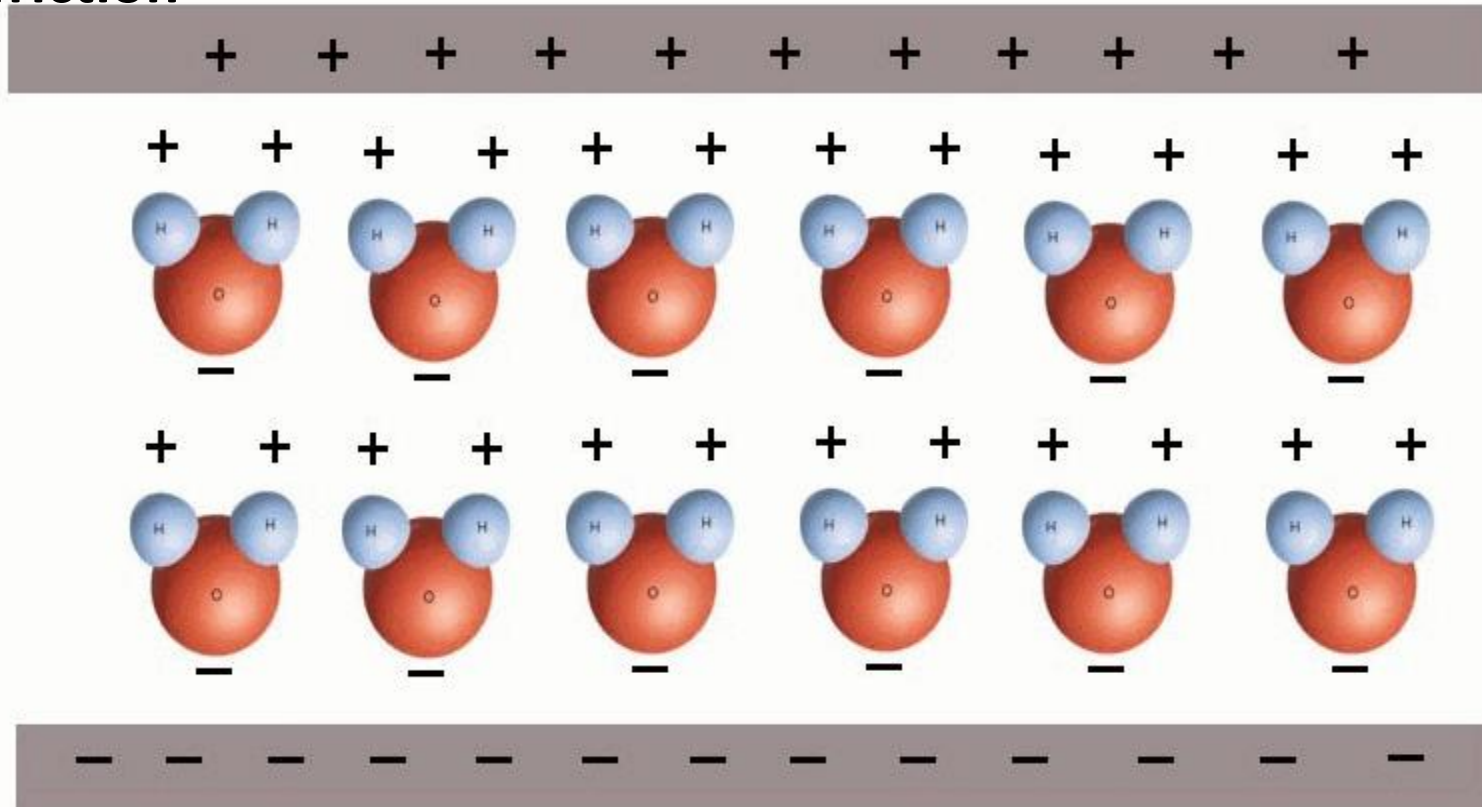


i.e. within the material to be heated

Polarization of Molecules



Polarized molecules oscillate in RF field and create heat due to friction



Savings

- Removal of end moisture consumes much more heat energy due to external heating
- When processed through RF the end moisture is removed without external heating and save energy
- Conveyor process ensure deployment of optimum manpower
- Product wastage minimized

Direct heating of water molecules leads to efficiency

