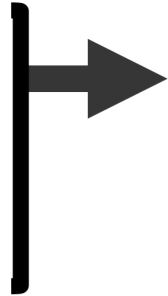


How do cattle dissipate heat?

- Radiation
- Conduction
- Convection
- Evaporation



Sensible routes

- Require a **thermal gradient** between the cow & the environment
- When the thermal environment meets or exceeds the cow's body temperature these routes of heat exchange become ineffective



Insensible route

- Require a **pressure gradient**
- Respiratory (15-30%)
- Cutaneous (~70-85%)
- Humidity becomes important...

