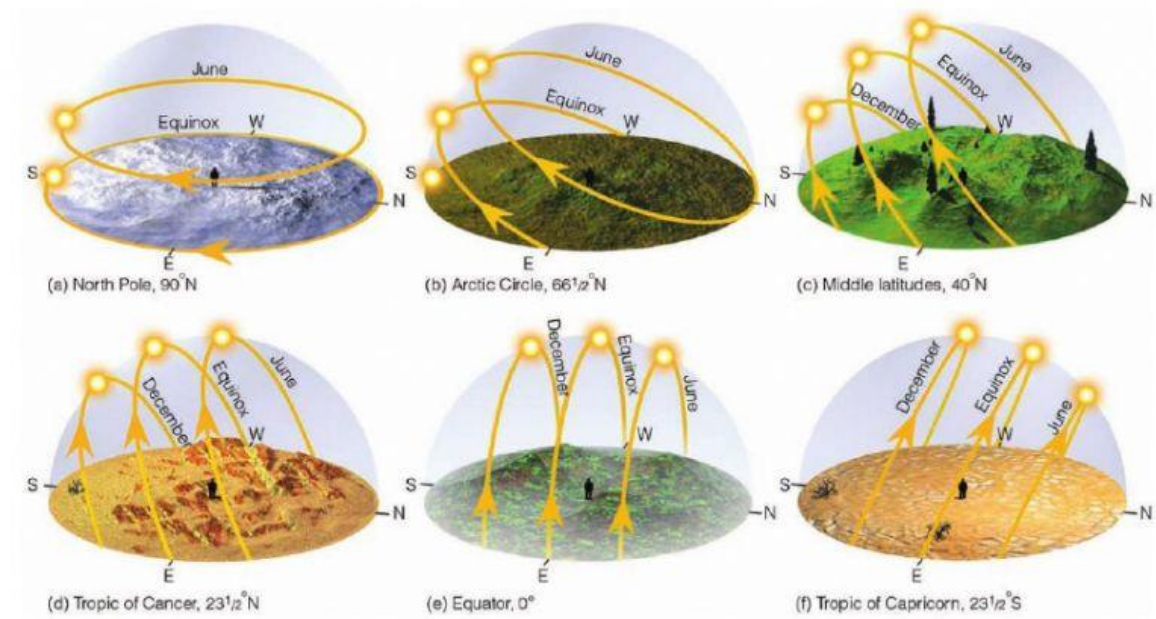


11.4 Fog

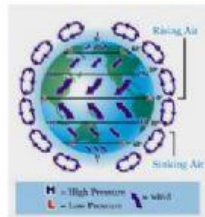


Temperature

- Heated air near a hot surface is less dense than the colder air above it.
- The heated air rises, forcing the colder air to move aside and sink toward the ground.
- Then this colder air is warmed by the surface, and it rises.
- **Wind** is created.

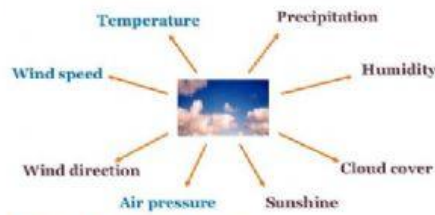


Convection cells



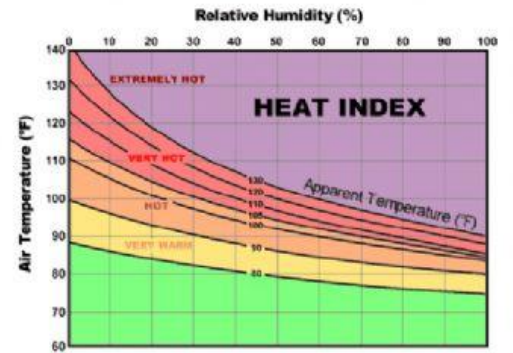
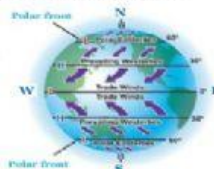
- The combination of global convection and Earth's rotation sets up a series of wind patterns called **convection cells**.

Introduction to Weather



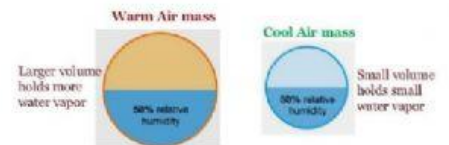
Air and water vapor

- Three important global wind patterns exist in each hemisphere:
 - Trade winds
 - Prevailing westerlies
 - Polar easterlies



Relative Humidity

- **Relative humidity** is a measure of how much water vapor an air mass contains.



1. Why does fog form?

2. What makes tule fog distinctive?

3. Compare and contrast the different types of fog.