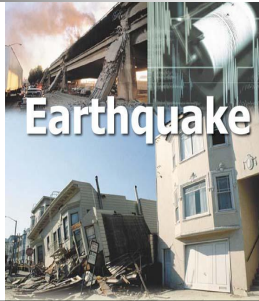


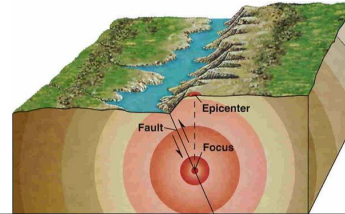
# EARTHQUAKES

- Natural **vibrations** of Earth's **crust**



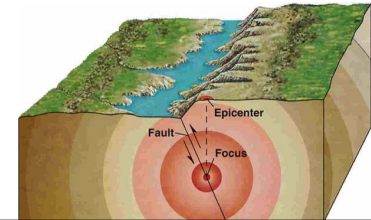
# EARTHQUAKES

- **FOCUS** → **Underground** point where earthquake **originates**



# EARTHQUAKES

- **EPICENTER** → **Surface** point **directly above** focus



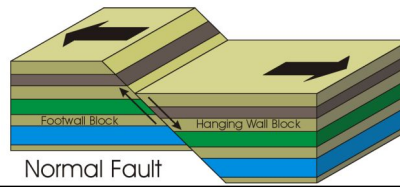
## Why Earthquakes Occur

- **Faults** → **Fractures** in Earth's crust



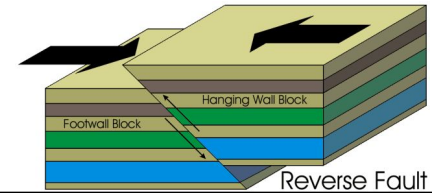
## Normal Fault

- Horizontal **TENSION**
- **Footwall** moves **up** and **hanging wall** moves **down**



## Reverse Fault

- Horizontal **COMPRESSION**
- **Footwall** moves **down** and **hanging wall** moves **up**



# Strike-Slip Fault

- Horizontal **SHEAR** forces
- Also known as **Transform** Fault

Left Lateral Strike-Slip Fault

