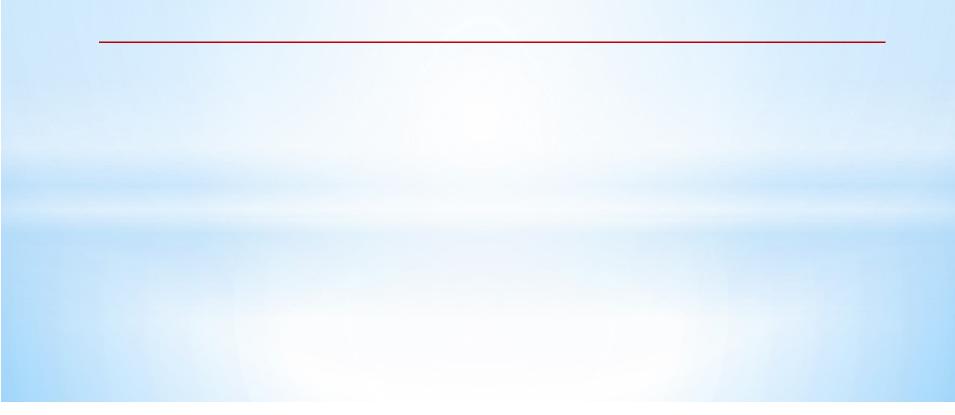
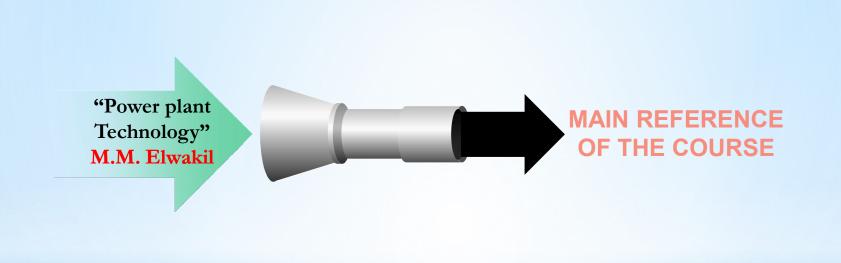
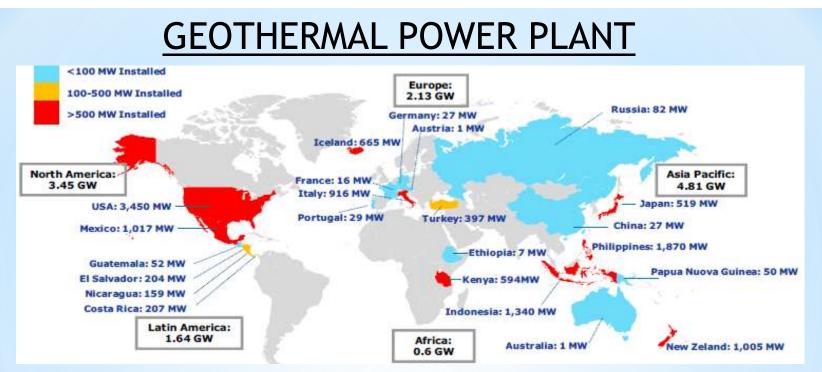


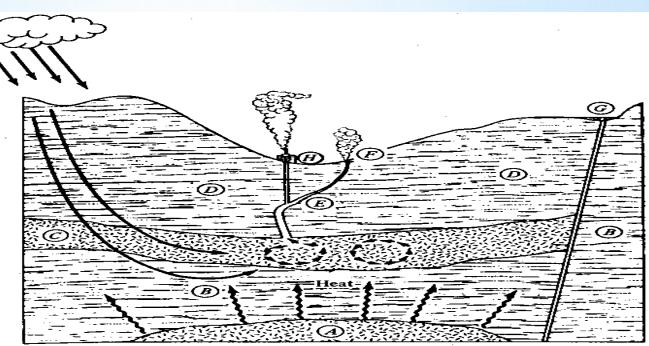
## **Power Plants**

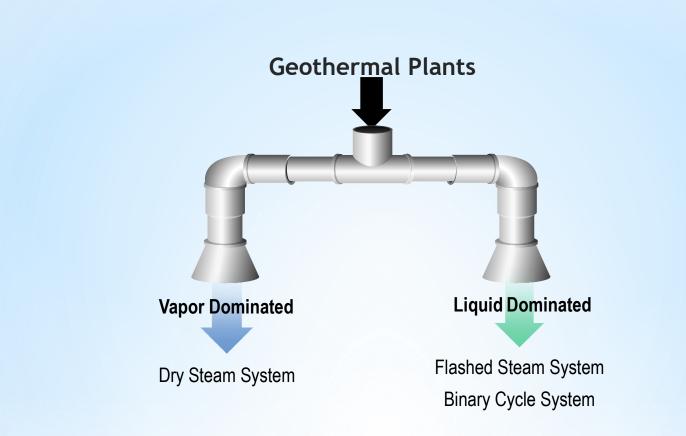




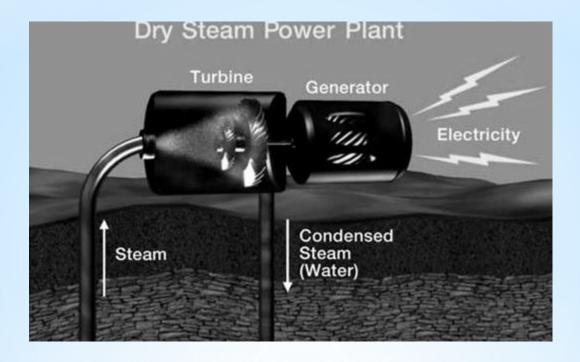


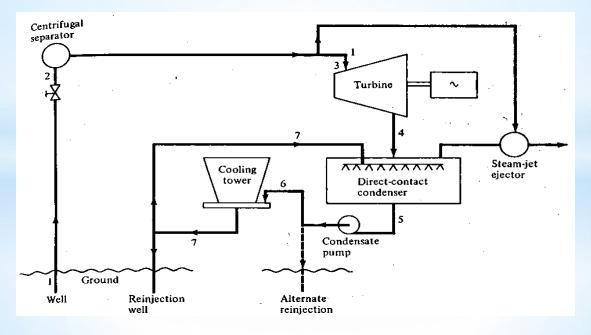
- A) Hot magma
- B) Volcanic rock
- C) Permeable hot water reservoir
- D) Impermeable reservoir
- E) Vents
- F) Geysers
- G) Hot springs
- H) Hot well

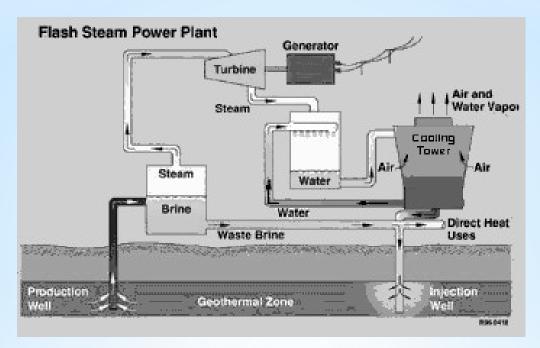


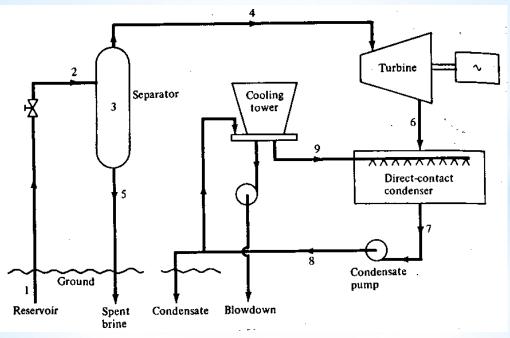


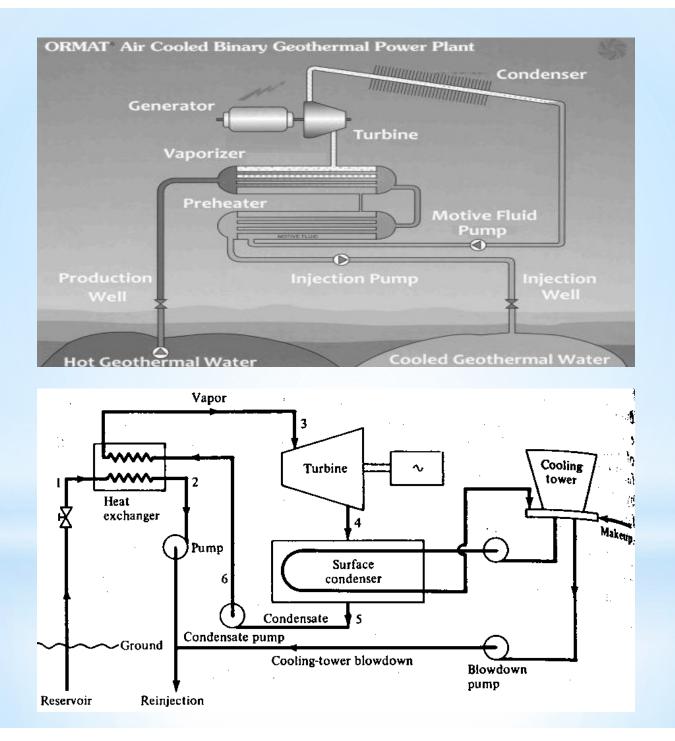
- Dry steam system; resource temperature range from about 230°C to some 320°C.
- Flashed steam system; resource temperature range from about 200°C to some 320°C.
- Binary or twin-fluid system; resource temperature range between 120°C to about 190°C.











## Advantages:-

- High degree of availability (7500 operating hr/annum common).
- Low land use.
- Low atmospheric pollution compared to fossil fueled plants.
- Almost zero liquid pollution with re-injection of effluent liquid.
- Insignificant dependence on weather conditions.

## Disadvantages:-

- Dissolved solids.
- > Non condensable gases (CO<sub>2</sub>, CH<sub>4</sub>, H<sub>2</sub>, N<sub>2</sub>, NH<sub>3</sub>, H<sub>2</sub>S).