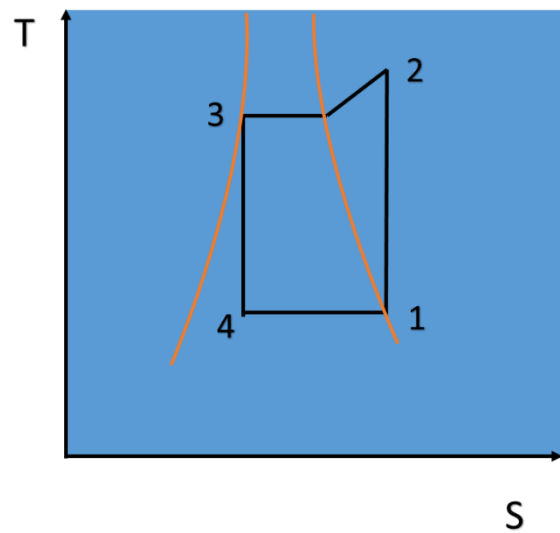
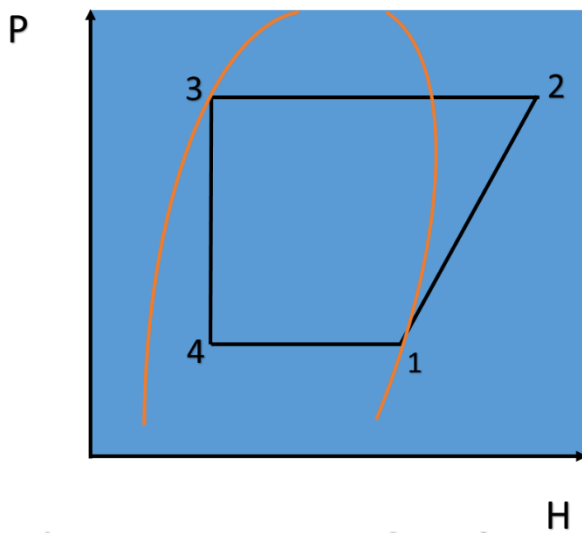
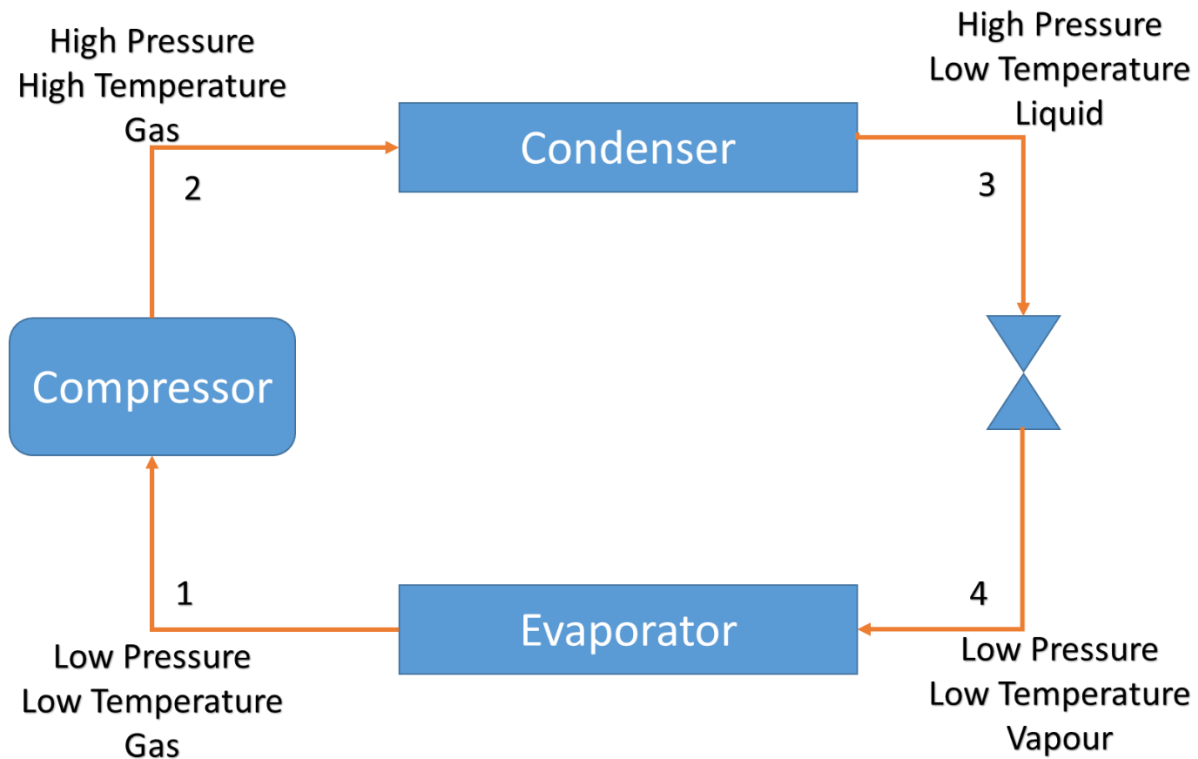


# Vapour compression Refrigeration



## ➤ **Compressor (1-2)**

It compresses the refrigerant to high pressure. So, it gets heated. Here, the pressure and temperature increases and we will get the

refrigerant at high pressure and high temperature in gas phase outside the compressor at point 2

### ➤ **Condenser**

It release the heat of refrigerant to the atmosphere. So, the temperature decreases and we will get the refrigerant at high pressure and Low temperature in Liquid phase outside the condenser at point 3

### ➤ **Expansion Device**

It allows the refrigerant to expand. So, the pressure decreases and we will get the refrigerant at low pressure and Low temperature in vapour phase outside the expansion device at point 4

### ➤ **Evaporator**

It absorbs the latent heat required to convert the vapour refrigerant into gas from the atmosphere. So, the things surrounding the evaporator gets cooled. And we will get the refrigerant at Low pressure and Low temperature in Gas phase outside the evaporator at point