The host can send messages to its IMP which will break them into packets and forward them independently toward the destination

The subnet was the first electronic store-and-forward type packet switched.

network. So each packet was stored before it was forwarded.

The software for ARPANET was split into two parts: subnet software and host software

- Host software consists of Host-to- Host Protocol, Host-to- IMP Protocol & IMP -to- Host Protocol
- Subnet software consists of source IMP -to- destination Protocol & IMP -to-IMP Protocols

## 2. ATM Reference Model

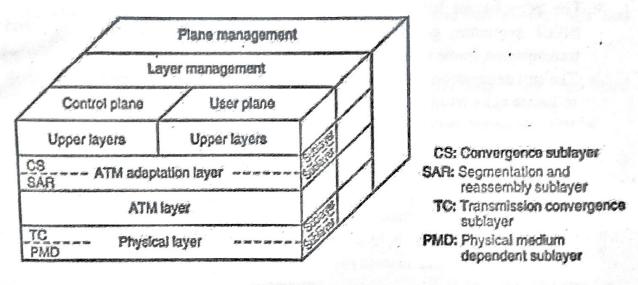


Figure. Architecture of ATM

- > ATM Reference model is illustrated as shown in figure
- > ATM is an example network
- > ATM model is a three-dimensional reference model
- > ATM consists of three layers:
  - 1.Physical layer
  - 2.ATM layer
  - 3. ATM adaptation layer(AAL)

## 1.Physical layer

- ATM physical layer is analogous to the physical layer of the OSI reference model, the ATM physical layer manages the medium-dependent transmission
- Physical layer deals with the physical medium: voltages, bit timing, and various other issues