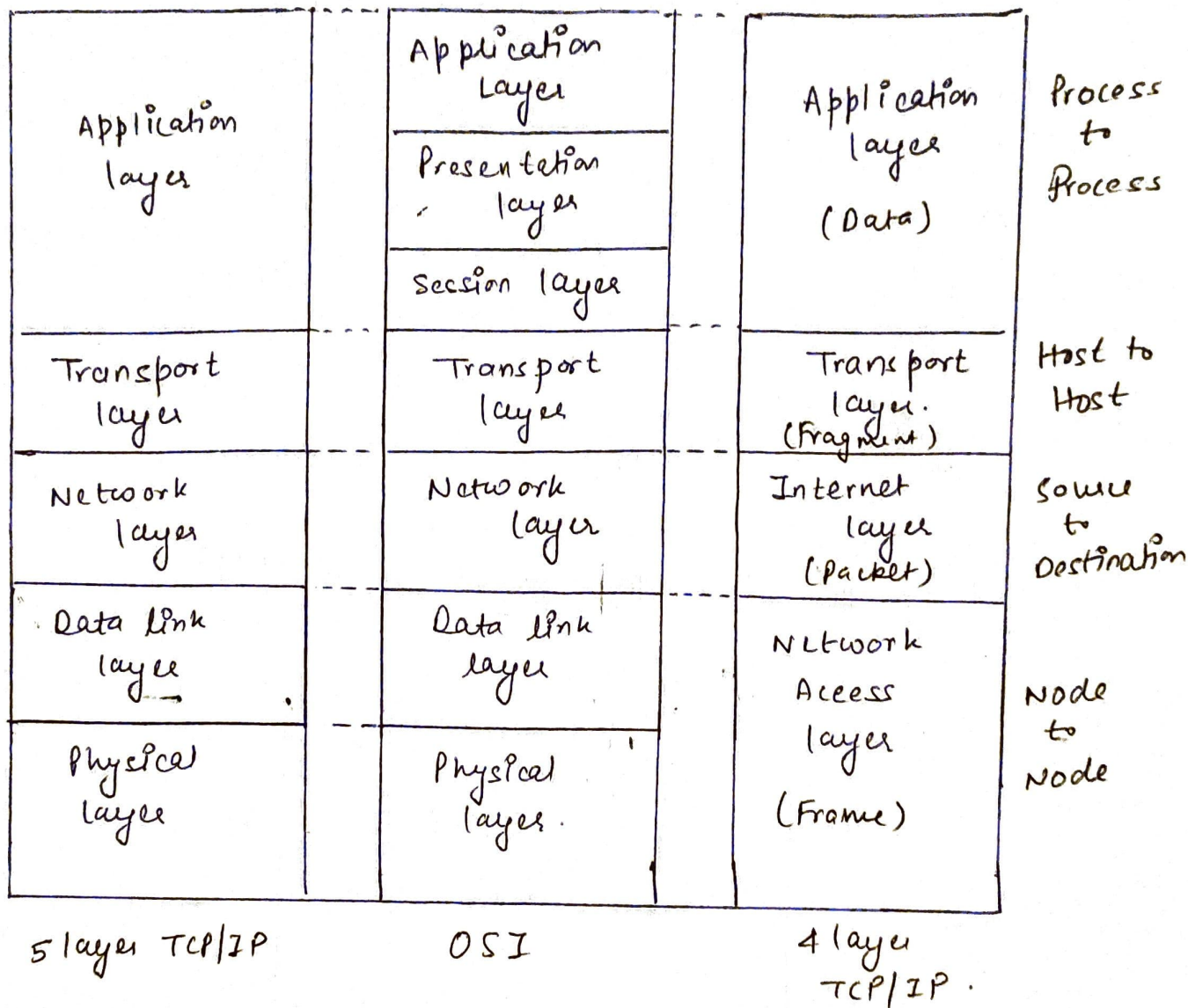


TCP | IP Protocol suite (Transmission Control Protocol / Internet Protocol) (4)

o: Internet Protocol

— developed by ARPANET

— supports client server and Peer to Peer



User 1

↓
Application layer

↓
Transport

→

Internet

Node

→ Network Access

Internet Network access

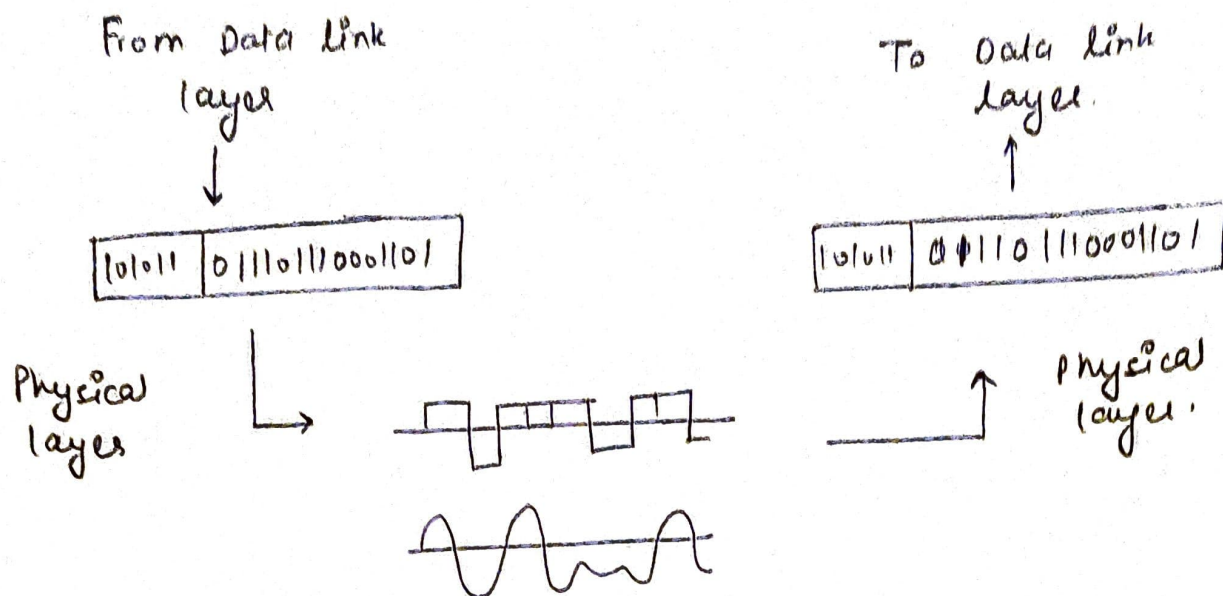
→ NA → Internet

↓
Transport

↓
App

↓
User 2

- Last layer at sender side, first layer on receiver side.



Converting data into signals is done in physical layer.

Physical layer • (Tangible stuff)

- Cables and connectors
- Physical topology → How to connect devices?
- Hardware (Repeaters / Hubs)
- Transmission mode
- Multiplexing → using one channel for multiple senders / receivers.
- Encoding is sending for ex. analog signal in digital form.

Repeaters → to energise attenuated signals.