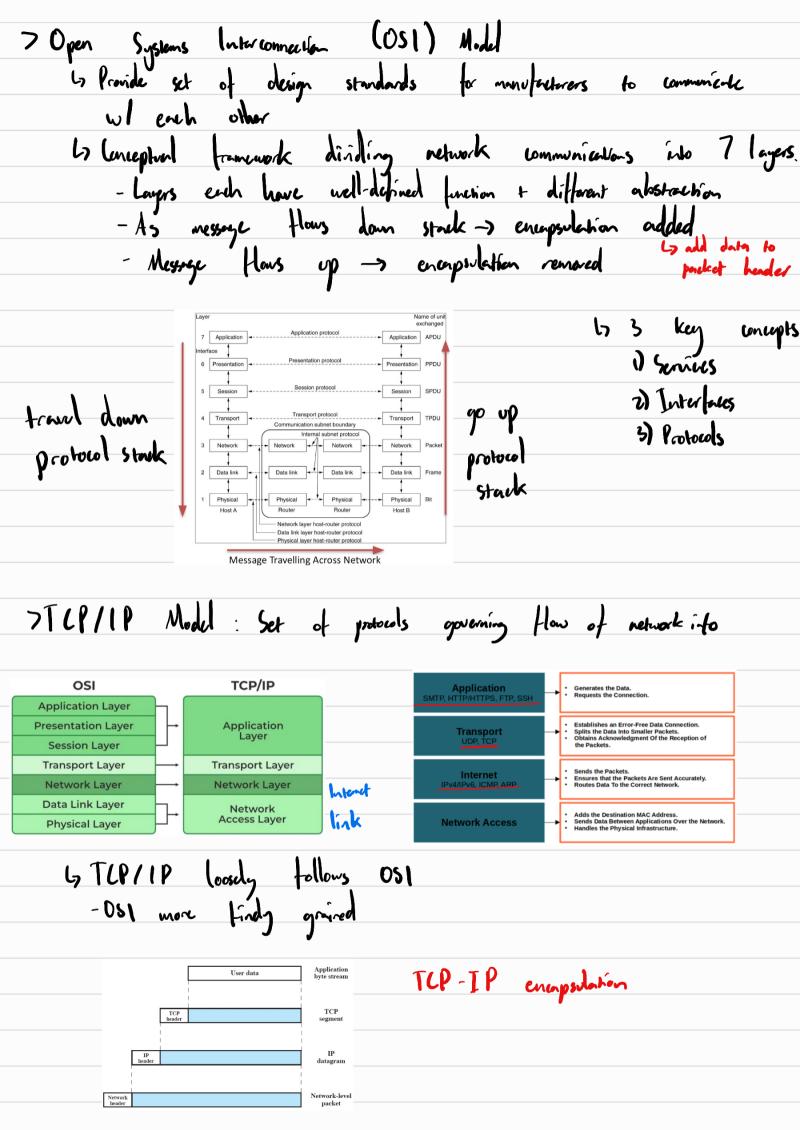
> Processes: A program in execution	
Consists of: 1) Program code (posseldy shared)	
Consists of: 1) Program code (posseldy shared) 2) A set of data	
3) Attributes describing stake of process	
4 - I denshier	
-Stale	
-Prienty	
-Program Counter (Usual)	y kept in PCB) process control block
- Memory Pointer	process control block
- Contest Doton	
-110 status information	
- Accounting Information	
	0
Control Minor	Process:
by-lastins process elements	Identifies process
- Created and narrayed by OS	Stake process
- Suggest La mathematical morresses	user stack
-MB usually unique, not interchagable blu OS	
	police add spec
7 Stales	police adds spec
Villerent Models:	
Different Models: - 5 state model: New ready winning	(xit)
- 5 stake nedel: New ready Tunning	
(blocked)	
211. L. TO 1.100	
> Networks TCP/UDP	
- Most widely used protocols for internet retwork - Premarky expansive + slow. Now adequate for under perform for host - to - bost.	rogic.
- Tremosty expansive + Stow. Now adequate for	Upon Wood hand
under perform to host - to - host.	



OTCP/UDP + 1P Stock
-TCP:-keeps track of segments from smitted. Assigns numbers Reliable Delivery in Sequence (FIFO/pipe)
- Pediable Delivery in Sequence (FIFO/pipe)
- Not OS department, not suit LAN
- Not US dependent, not suit LANI - Slow and takes more bandwidth
la Does not loved page if southing missing
ex) www., emails, 45h, stream videos, file transfer protocol
- UVF: - Juple message requests, less control over flow (error
-UDP: Simple message requests, less control over flow lerror -Used in realism applications which cannot tolerate uneven delays
blu nessufs reciwed.
- Does not require connection
- Unreliable (no nechanism to track sequence of data)
- Unreliable (no nechonism to track sequence of data) - (an't tell if data transfer is successful
ex) Online genres, line-streeming, DNS queries
7 Middlewore: -Software blu OS and application, enable communication - Provides API interface for user program running in a process
- Provides API interface for user program ruming in a process
7 Streem oriented IPC performance
-Intercy Www negacies
- Intercy blu nessages - Throughput: Bondwidth Capacity per unit time.
The state of the s

> Work 200 + 8 = 208 byks 520 = 4006 byks 820+3 908 2) 15 may/s x 16 processes x3kB = 720 kB/s 1) 32818 byks 40478 E 1) 8 process x 7 nessyss/s x 5 kB 3) 8820

4) 32 × 31 × 2 = 1984 kB/s