

1. advanced local procedure call (ALPC)-	The message-passing facility in Windows is called the	20. device queue-	The list of processes waiting for a particular I/O device
2. anonymous pipes	...	21. direct communication-	each process that wants to communicate must explicitly name the recipient or sender of the communication
3. background	application remains in memory, but does not occupy the display screen	22. dispatched-	it waits there until it is selected for execution
4. big-endian	store the most significant byte first	23. executable file -	A program is a passive entity, such as a file containing a list of instructions stored on disk
5. Blocking (synchronous)	Putting the process in the waiting state until something happens.	24. External data representation (XDR). -	is a standard data serialization format, for uses such as computer network protocols. It allows data to be transferred between different kinds of computer systems.
6. bounded buffer	assumes a fixed buffer size	25. foreground application	is the application currently open and appearing on the display
7. browser process	is responsible for managing the user interface as well as disk and network I/O	26. heap-	is memory that is dynamically allocated during process run time
8. cascading termination	...	27. Interprocess communication (IPC)	mechanism that will allow them to exchange data and information. There are two fundamental models of interprocess communication: shared memory and message
9. Children-	are any processes that it creates	28. I/O-bound process -	The process is waiting for I/O from a device, and is thus bound by the device.
10. communication ports-	one for client-server messages, the other for server-client messages	29. job queue -	a data structure that consist of all processes in a system
11. Connectionless (UDP) sockets -	use the Data gram Socket class	30. Jobs-	whereas a time-shared system has user programs, or tasks.
12. Connection-oriented (TCP) sockets -	are implemented with the Socket class.	31. little-endian-	store the least significant byte first
13. connection ports-	object and sends a connection request to that port	32. Long-term scheduler (job scheduler) -	In batch systems, more jobs are submitted than can be stored in memory at a time. This leads to the problem of needing to decide which jobs get loaded into memory. The Long-Term Scheduler decides this.
14. Consumer-	consumes information from the producer	33. Loopback-	The IP address 127.0.0.1 is a special IP address, computer refers to itself
15. Context-	It includes the value of the CPU registers, the process state, and memory-management information	34. mailbox set -	is a collection of mailboxes, as declared by the task, which can be grouped together and treated as one mailbox for the purposes of the task
16. context switch-	Switching the CPU to another process	35. Marshals-	involves packaging the parameters into a form that can be transmitted over a network.
17. CPU-bound process-	The process needs lots of computing time to complete and is thus bound by the CPU.	36. Matchmaker-	an operating system provides a rendezvous daemon on a fixed RPC port
18. data section-a structure that contains global variable	...		
19. Degree of multiprogramming -	the number of processes in memory. . Controlled by long-term scheduler. Generally tried to be kept stable, which means that the number of processes entering the system roughly equals the number of processes leaving the system. Because of this, the long-term scheduler is only executed when a process leaves the system.		

37. medium-term scheduler-	is that sometimes it can be advantageous to remove a process from memory (and from active contention for the CPU) and thus reduce the degree of multiprogramming]	55. read-end	...
38. message passing-	communication takes place by means of messages exchanged between the cooperating processes	56. ready queue.-	all processes that are ready to run
39. Messages	are sent to and received from mailboxes	57. Renderer processes contain logic for rendering web pages.	...
40. Microsoft Interface Definition Language(MIDL)-	which is used for defining the interfaces between client and server programs	58. rendezvous-	When both send() and receive() are blocking
41. nonblocking-asynchronous-	is lock-free if there is guaranteed system-wide progress regardless of scheduling; wait-free if there is also guaranteed per-thread progress.	59. sandbox, which means that access to disk and network I/O is restricted,	...
42. orphans.-	Now consider what would happen if a parent did not invoke wait() and instead terminated, thereby leaving its child processes	60. Scheduler.-	is the method by which threads, processes or data flows are given access to system resources
43. parent	is the process that created it;	61. section object-	which is a region of shared memory associated with the channel
44. pipe	acts as a conduit allowing two processes to communicate	62. service-	a separate application component that runs on behalf of the background process
45. plug-in	process is created for each type of plug-in (such as Flash or QuickTime) in use	63. shared memory-	region of memory that is shared by cooperating processes is established
46. Ports-	is simply a number included at the start of a message packet	64. Short-term scheduler, or CPU scheduler-	Decides which process in the ready queue gets executed
47. Process-	a program that is currently executing	65. Siblings-	are children with the same parent process
48. process control block (PCB)-	also called a task control block It contains many pieces of information associated with a specific process, including these: process state, program counter, cpu register, spu - scheduling information, memory- management information, accounting information, I/O status information	66. Socket-	is defined as an endpoint for communication
49. processes	all these activities are similar	67. Stack-	which contains temporary data (such as function parameters, return addresses, and local variables)
50. process identifier (or pid)-	which is typically an integer number	68. state -	the current activity of that process
51. process scheduler	select an available process (possibly from a set of several available processes) for program execution on the CPU	69. State restore-	resume operations.
52. Producer	process produces information that is consumed by a consumer process.	70. State Save-	Saving the process context state that it can be switched from.
53. Program counter-	a value that represents a program's current activity	71. Stub-	in distributed computing is a piece of code used for converting parameters passed during a Remote Procedure Call
54. queueing diagram,-	A common representation of process scheduling	72. Swapping -	Loading a memory into memory from secondary storage or vice-versa.
		73. Text section-	A process is more than the program code.
		74. thread-	of control allows the process to perform only one task at a time

75. tree-	is a widely used abstract data type (ADT) or data structure implementing this ADT that simulates a hierarchical tree structure, with a root value and subtrees of children, represented as a set of linked nodes
76. unbounded buffer-	places no practical limit on the size of the buffer
77. write-end-	...
78. zombie-	A process that has terminated, but whose parent has not yet called wait