new

runnable

blocked

terminated

waiting

timed waiting

notify

notifyAll

time interval t expires

notify (tasks waiting)

notifyAll " "

wait(t)

sleep(t)

wait

***Thread is initiated***

***Thread* *completes***

***its* *execution***

I/O pending

Synchronized statement’s

object lock is unavailable unavailablecked

I/O complete

Synchronized statement’s

lock becomes available

***Thread******is***

***created***

***Thread's resources reclaimed***

**Figure 14.8 Actions and events that transition a thread from the runnable state and back again.**