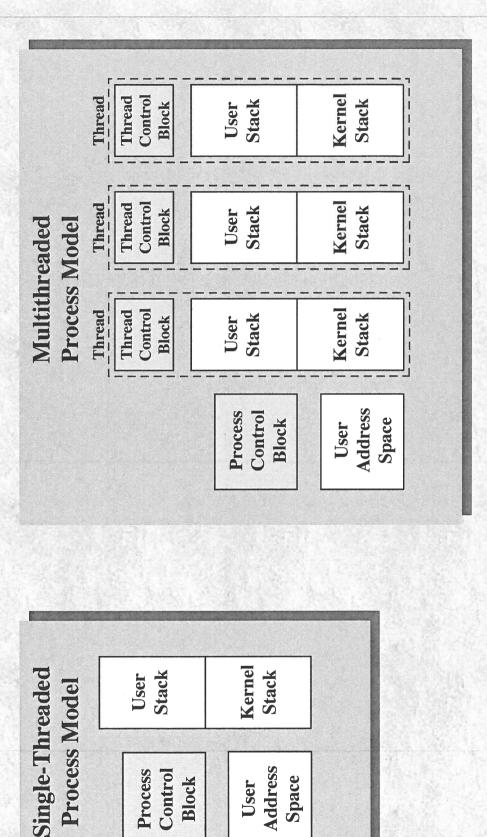
Thread Synchronization

- It is necessary to synchronize the activities of the various threads
 - all threads of a process share the same address space and other resources
 - any alteration of a resource by one thread affects the other threads in the same process



Single Threaded and Multithreaded Process Models Figure 4.2

Benefits of Threads

create a new thread than a Takes less process time to

between two threads takes less time than

switching between

processes

thread than a Less time to terminate a process

Switching

between programs Threads enhance efficiency in communication