Test doubles and Mocks

1	What are	similarities	and differer	nces between	stubs and	1 mocks?	?
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- 2. Suppose you are gearing up to test a system that has multiple dependencies:
 - a) language specific libraries and utility methods
 - b) intra-object and intra-class dependencies
 - c) inter-class static dependencies
 - d) inheritance (including interfaces) and composition (including polymorphism)
 - e) file IO (input-output)
 - f) Excel spreadsheet dependencies
 - g) database (say with an SQL -structured query language database) dependencies
 - h) UI (user interface) dependencies (either desktop app or web app); note that most languages have libraries for different UIs.
 - i) network dependencies (over different protocols, for example, HTTP and HTTPS for web services, FTP for file transfer, SMTP for email, etc)
 - j) other system dependencies

Which of the objects involved in these dependencies are better candidates to stub/mock and why?

