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A. It ticks 2,000,000,000 times a second.
B. Because one clock tick takes 1/2,000,000,000 seconds, and a cycle takes takes 2/1,000,000,000 seconds, there are 4 ticks in a cycle.
C. The ticks would represent the four steps of a CPU: Fetch, Load, ALU, and Store.
D. A CPU with a 2 nanosecond cycle can perform 499,999,998.5 instructions in one second.
E. It could execute 125,000,000 instructions in one second.
F. The Pipeline CPU is faster because it uses all of its sections at the same time, whereas the Classical CPU only uses one of it's four sections at a time.