Lesson 5.1 Sample Assessment

* What computer architecture features are needed for MPI.
* What is algorithm complexity?
* Why do compute intensive loops need speedup?
* What is the main difference between MPI and OpenACC/OpenMP?
* Describe a scenario or scientific application that could benefit from MPI.
* Which compilers and operating systems support MPI and what are the advantages of using message passing – can a program really need/use more memory than that of a single node?