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?