

## Pebble in Pond Wave Equation - Sample Assessment

1. What computer architecture features are needed for OpenMP.
2. Why compute intensive loops need speedup and how multi-thread and multi-core can help?
3. What are the main differences between MPI and OpenACC/OpenMP?
4. Describe a scenario or scientific application that could benefit from MPI, and then extend to using OpenMP.
5. What language compilers and operating systems support both MPI and OpenMP.
6. How programs run times scale as problem data sets get larger.
7. What is algorithm complexity?