<u>Accelerating Scientific Applications - Sample Assessment</u>

1. What computer architecture features are needed for OpenMP and OpenACC.
2. Why compute intensive loops need speedup? Why not the whole program?
3. What is the main difference between OpenACC and OpenMP?
4. Describe a scenario or scientific application that could benefit from both OpenMP and OpenACC together as a hybrid programming example.
5. Which compilers support OpenACC and what are the advantages of using one over the other?
6. What is algorithm complexity?