**Blue Waters Petascale Semester Curriculum v1.0**

**Unit 1: Computation Across the Curriculum**

**Lesson 3: Submitting Jobs and Running Programs**

**Sample Assessment**

*Developed by Juan R. Perilla for the Shodor Education Foundation, Inc.*

1. Describe the workflow required to execute a program in a super computer.
2. Give two examples of differences between a compute node and a login node.
3. Describe the workflow required to transfer source code to the super computer.
4. What is the purpose of the following tools:
   1. Scheduler
   2. Workload manager
   3. Application launcher
   4. Queue



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