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

**Unit 1: Computation Across the Curriculum**

**Lesson 1: Introduction to Parallel Computing**

**Sample Assessment**

*Developed by Beau Christ for the Shodor Education Foundation, Inc.*

1. How is **parallel programming** different from **sequential programming**?
2. How does a **multi-core computer** attempt to improve performance as compared to a **single-core computer**?
3. What is **High Performance Computing (HPC)**?
4. What is [www.top500.org](http://www.top500.org) ?



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