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

**Unit 2: Parallel Computing Concepts**

**Lesson 2: Parallel Programming Patterns**

**Sample Assessment**

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*Browse and search the full curriculum at*[*http://shodor.org/petascale/materials/semester-curriculum*](http://shodor.org/petascale/materials/semester-curriculum)

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*We want to hear from you! Please let us know your experiences using this material by sending email to* [*petascale@shodor.org*](mailto:petascale@shodor.org)

1. What are parallel patterns?
2. What pattern does embarrassingly parallel applications follow?
3. What is pipelining?
4. Describe the divide and conquer pattern.
5. What is the difference between task and data parallel programs?