

Name:

## **Mini-Quiz 9**

BIOL 4301/6301

November 16, 2023

- 1**    **Name an ecosystem process.**
  
  
  
  
  
  
  
  
  
  
- 2**    **Name a state factor that controls ecosystem processes.**
  
  
  
  
  
  
  
  
  
  
- 3**    **How do soils influence ecosystem processes?**

**4** What is albedo?

**5** How is energy absorbed at the Earth's surface partitioned? Explain how this partitioning differs across ecosystems.

**6** What are the primary components of a terrestrial ecosystem's water budget?

**7** What is the difference between gross primary productivity, net primary productivity, and net ecosystem productivity?

**8** What components of an ecosystem influence decomposition of organic material?

**9** How does the nitrogen cycle differ from the phosphorus cycle?

**10** What is a keystone species?

**11** How does biodiversity influence ecosystem services?

**12** How could a disturbance preserve ecosystem functioning?

**13** From the perspective of terrestrial ecosystem services, what global change do you consider to be most important and why?