

Name:

Mini-Quiz 8

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?