

Name: \_\_\_\_\_ Assigned ecosystem: \_\_\_\_\_

### Minecraft Biome Project Planning

1. List 6 biotic and 4 abiotic factors found in your ecosystem:

Biotic (2 plants, 4 animals)	Abiotic (at least 4)

2. Make 2 food chains found in your ecosystem. Each chain must include 1 producer, 2-3 consumers, and 1 decomposer. Then, explain how the energy is transferred through each food chain.

Chain 1: \_\_\_\_\_

Explain: \_\_\_\_\_

Chain 2: \_\_\_\_\_

Explain: \_\_\_\_\_

3. Explain how the organisms in your ecosystem make up a food web that is appropriate for your ecosystem (you may use the organisms from your food chains above to help you explain).

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4. Describe the climate of your ecosystem (include precipitation and average temperatures).

<b>Precipitation:</b>	<b>Average Temperatures:</b>
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5. Explain how the climate of your ecosystem affects the plants and animals that live there.

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6. Choose 1 plant and 1 animal from your ecosystem and explain the adaptations it has to help it survive.

Plant: \_\_\_\_\_

Animal: \_\_\_\_\_

7. Explain 1 predator/prey relationship that exists within your ecosystem. \_\_\_\_\_

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8. Describe an aquatic feature that you will include in your ecosystem. It can be salt, fresh, or brackish water.

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9. Organization of organisms/sketch of ecosystem – Choose 1 individual organism and sketch it, along with biotic factors that would be in its population & community and biotic/abiotic factors in its ecosystem.

