**Biodiversity and Sustainable Ecosystems**

1. **What is biodiversity?**

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1. **What causes low diversity? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **What causes high diversity? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
3. **What is sustainability?**

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1. **What must ecosystems maintain? What does it mean?**

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1. **Why is biodiversity important? Explain what it results in.**

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1. **What if a nuclear explosion caused half the plant species to be destroyed? Explain what would happen.**

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1. **What is carrying capacity?**

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1. **What would happen if Saint John had a HUGE spike in population, and the population exceeded its carrying capacity? Explain.**

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1. **What are the 7 factors that affect a population? Give an example of each.**
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