**Science 10**

**Quiz #1**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. What is the difference between weather and climate?

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1. What are the three factors we discussed that lead to different weather and climate?

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1. Is the greenhouse effect good or bad? Explain your reasoning.

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1. State the law of conservation of matter.

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1. Use a diagram and labels to show the carbon cycle. Include two ways carbon is released into the atmosphere and two ways carbon is taken from the atmosphere.
2. What is the Coriolis Effect?

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1. Provide three examples of natural disasters.

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1. Define the following :
2. *Population dynamics*

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1. *Carrying capacity*

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1. *Threatened*

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1. *Extirpated*

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1. *Endangered*

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1. *Vulnerable*

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9. List the four limiting factors that determine the carrying capacity of an ecosystem:

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