Experiment 5: Populations

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| **Category** | **4** | **3** | **2** | **1** | **Total**  **Earned**  **Points** |
| Attached Rubric |  |  | Rubric stapled to the upper left hand corner |  |  |
| **Components of the report**  **Name:**  **Lab Group:**  **Region:** |  |  | All required elements are present and additional elements that add to the report (e.g., thoughtful comments, graphics) have been added. | All required elements are present. |  |
| **Pre-Lab Part A**  **Questions**  **1 and 2** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Pre-Lab Part A**  **Questions**  **3** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Pre-Lab Part A**  **Questions**  **4** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Pre-Lab Part A**  **Questions**  **5** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Pre-Lab Part B**  **Questions**  **1 and 2** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |

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| **Pre-Lab Part B**  **Questions**  **3 and 4** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Pre-Lab Part B**  **Questions**  **5 and 6** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Pre-Lab Part B**  **Questions**  **7 and 8** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Data**  **Part 1 – Population Demographics** | Professional looking and accurate representation of the data in tables and/or graphs. Graphs and tables are labeled and titled | Accurate representation of the data in tables and/or graphs. Graphs and tables are labeled and titled | Accurate representation of the data in written form, but no graphs or tables are presented. | Data are not shown OR are inaccurate. |  |
| **Data**  **Part 1 – age structure diagram from your groups assigned area** | Professional looking and accurate representation of the data in tables and/or graphs. Graphs and tables are labeled and titled | Accurate representation of the data in tables and/or graphs. Graphs and tables are labeled and titled | Accurate representation of the data in written form, but no graphs or tables are presented. | Data are not shown OR are inaccurate. |  |
| **Calculate growth rate – Question 2** | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates an accurate understanding of most scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. | Report illustrates inaccurate understanding of scientific concepts underlying the |  |

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| **Question 3** | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates an accurate understanding of most scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. | Report illustrates inaccurate understanding of scientific concepts underlying the |  | |
| **Question 4** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Question 5** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Question 6** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Question 1** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Question 2** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Question 3** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Question 4** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Question 5** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Question 6** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Question 7** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Question 8** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Discussion Question 1** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Discussion Question 2** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |

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| **Discussion Question 3** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Discussion Question 4** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Discussion Question 5** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Discussion Question 6** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |
| **Discussion Question 7** |  |  | Answers illustrate an accurate and thorough understanding of scientific concepts underlying the lab. | Report illustrates a limited understanding of scientific concepts underlying the lab. |  |