**Name:**

**TASK**

An investigation to explore the impact of three variables on the transmission of a disease.

**PROCEDURE**

Access the web link and familiarise yourself with the simulator before starting your investigation

<http://www.learner.org/courses/envsci/interactives/disease/disease.html?initLesson=1>

Choose one of the diseases available on the simulator. Perform your own investigation.

**RESULTS**

Present your findings using a maximum of 3 data tables and 3 hand drawn graphs.

**DISCUSSION**

Clear statement of the results of the simulations

Scientific explanations for each set of results

**RESEARCH QUESTION**

After the discussion of data, develop a research question in order to produce a hypothesis for further research

**CONCLUSION**

Of the diseases studied in this course, select evidence from real populations that supports your simulation data.

**MARK SCHEME**

|  |  |  |
| --- | --- | --- |
| **RESULTS** | Marks | Your mark |
| * Data collection   *Sufficient data correctly presented in the 3 tables* | 6 |  |
| * Representation of data   *Correct representation of collected data in graph form* | 9 |  |
| **DISCUSSION** |  |  |
| * Clear statement of the results of the simulations | 6 |  |
| * Scientific explanation for each set of results provided | 6 |  |
| * Developed a research question for a hypothesis for further research | 2 |  |
| **CONCLUSION**  *Of the diseases studied in this course, select evidence from real populations that support your simulation data* | 6 |  |
| **Total** | 35 |  |