Disease Detective – 2017 Holt Invitational Key

**Part 1: Matching – Match the correct term with the definition by writing the corresponding letter on the line of your answer document.**

|  |  |
| --- | --- |
|  | C |
|  | D |
|  | G |
|  | H |
|  | B |
|  | I |
|  | F |
|  | E |
|  | A |

**Part 2: Matching – Match the correct term with the examples below by writing the corresponding letter on your answer document.**

|  |  |
| --- | --- |
|  | C |
|  | A |
|  | C |
|  | B |

**Part 3: For each scenario below, answer the questions on your answer document.**

|  |  |
| --- | --- |
|  | *B. cereus* food poisoning |
|  | 24-48 Hours |
|  | *Bacililus cereus* |
|  | Hepatitis A |
|  | 2 weeks – 3 months |
|  | Hepatitis A Virus |
|  | Listeriosis |
|  | variable |
|  | *Lisetria monocytogenes* |
|  | Listeriosis is particularly risky for this patient because she is pregnant. Listeriosis can cause premature birth or even still birth. |

**Part 4: Place the steps of an outbreak investigation in the correct order on your answer document by writing the corresponding letters in the correct order.**

|  |  |
| --- | --- |
|  | B. Prepare for field work. |
|  | I. Establish the existence of an outbreak |
|  | A. Verify the diagnosis |
|  | J. Define and identify cases |
|  | C. Describe and orient the data in terms of time, place and person |
|  | E. Develop hypotheses |
|  | D. Evaluate hypotheses |
|  | H. Refine hypotheses and carry out additional studies |
|  | F. Implement control and prevention measures |
|  | G. Communicate findings |

**Part 5: Multiple Choice. Pick the best answer that answers the question of completes the statement by writing the corresponding letter on your answer document.**

|  |  |
| --- | --- |
|  | B |
|  | A |
|  | A |
|  | D |
|  | C |
|  | E |
|  | F |
|  | B |

**Part 6: Matching – Match the correct term with the examples below by writing the corresponding letter on your answer document.**

|  |  |
| --- | --- |
|  | C |
|  | D |
|  | B |
|  | A |
|  | B |
|  | D |
|  | B |
|  | D |

**Part 7: True/False – Using the data below decided if each statement is true or false. Write the word true or false for each statement on your answer document.**

|  |  |
| --- | --- |
|  | TRUE |
|  | FALSE |
|  | TRUE |
|  | FALSE |
|  | FALSE |

**Part 8: Short Answer – Use the data below to answer the following questions. Write your answers on you answer document.**

|  |  |
| --- | --- |
|  | ICE CREAM |
|  | 5.57 or 5.6 |
|  | 61 |
|  | 62 |
|  | 23 |