**MICROBE MISSION PRACTICE TEST (2010-2011)**

**ANSWER KEY & SCORING SHEET**

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| **TEAM NUMBER:** |  | **SCHOOL:** |  |
| **TOTAL SCORE:** |  **/ 41** |

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| **Question** | **Answer** |
| 1 | Visible light |
| 2 | Ultraviolet (UV) light |
| 3 | Transmission electron microscope (TEM) or scanning electron microscope (SEM) |
| 4 | Diaphragm |
| 5 | Magnifies the image formed by the objectives |
| 6 | Magnification of objectives x magnification of ocular |
| 7 | The size of the field of view increases |
| 8 | 1320 micrometers |
| 9 | B |
| 10 | 516 |
| 11 | Fungi |
| 12 | Prions |
| 13 | Bacteria |
| 14 | Virus |
| 15 | Virus |
| 16 | **Prokaryotic:** Bacteria or Archaea; **Euakryotic:** Protozoa, Algae, Fungi |
| 17 | Golgi apparatus or golgi complex |
| 18 | Prokaryotic |
| 19 | Vaculoes |
| 20 | Cell wall |
| 21 | Prokaryotic |
| 22 | Bacteria and Archaea |
| 23 | They can deplete the oxygen supply and kill other organisms |
| 24 | Protozoa (Amoeba) |
| 25 | yeast, molds and mushrooms |
| 26 | D |
| 27 | Prion (proteinaceous infectious particle) |
| 28 | Creutzfeld-Jacob Disease (CJD), Gerstmann-Straussler-Scheinker syndrome (GSS), Alpers syndrome, Fatal familial insomnia, or Kuru. |
| 29 | Scrapie, Mad Cow Disease (bovine spongiform emcephalopathy [BSE]), or chronic wasting disease (CWD). |
| 30 | Death phase |
| 31 | Logarithmic growth phase |
| 32 | The same number of cells are dying as those that are being reproduced |
| 33 | Lag phase |
| 34 | Clamydomonas |
| 35 | Bacillus bacteria |
| 36 | Rotavirus |
| 37 | Coccus bacteria |
| 38 | Spirogyra |
| 39 | Fungi |
| 40 | Bacteria (specifically lactic acid bacteria) |
| 41 | Pasteurization |