Sewage Treatment Rubric

|  |  |  |
| --- | --- | --- |
| Grader:  |  | REFER TO RUBRIC FOR MORE EXAMPLES AND EXPLANATIONS |
| *Scoring Grid:* |  | POINTS |
| (a)One component targeted for removal by primary and secondary treatment*Primary* (1 pt) Ex – rocks, gravel, waste, fats*Secondary* (1pt) Ex – organic materials, waste, pathogens | 2 points possible |  |
| (b) How pollutant removed in part (a)*Primary* (1 pt) Ex settling tank, flotation, skimmed off*Secondary* (1 pt) Ex aerobic microorganisms break down and consume | 2 points possible |  |
| (c)How create solid waste problemEx – solid waste must be disposed of | 1 point possible |  |
| (d)Environmental problem with sending to landfill or agricultural land*Landfill* (1 pt) Ex takes up space, groundwater contamination*Agriculture* (1 pt) Ex – contaminate food, groundwater, runoff | 2 points possible |  |
| (e) Pollutant targeted for disinfection & method*Pollutant* (1 pt) E.coli, Coliform, microrganisms/bacteria*Method* (1 pt) Ex – chlorine, ozone, UV | 2 points possible |  |
| (f) Federal LawEx – Safe drinking Water ActClean Water Act | 1 point possible |  |
| Name: | TOTAL POINTS |  /10 |