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| Stem 2- Analyzes and solves problems through scientific reasoning (questions 1-3)Stem 3- Develops skills for inquiry and communication | Excellent (4)Affectively applies and explains knowledge from lab data analysis involving graphing and variables; can discuss a variety of reasons why chemicals like ammonia impact the environment. | Good (3)Is mostly accurate in identifying and explaining graphing variables involving lab data analysis; can identify environmental problems with chemicals like ammonia. | Basic (2)Demonstrates some understanding and communication when identifying variables from a graph when analyzing lab data; can use some key reasoning to identify environmental problems with chemicals like ammonia. | Not meeting (1)Needs support when identifying and explaining variables from a graph and identifying environmental problems with chemicals like ammonia. |
| Stem 4- Explores scientific issues in society and the environment | Excellent (4)Understands and explains multiple perspectives on water quality and the effects society/humans have on changing the environment with chemicals such as ammonia. | Good (3)Identifies multiple perspectives on water quality and the effects society/humans have on changing the environment with chemicals such as ammonia. | Basic (2)Identifies 1-2 correct perspectives on water quality and the effects society/humans have on changing the environment with chemicals such as ammonia. | Not meeting (1)Unable to identify or explain multiple perspectives on water quality and the effects society/humans have on changing the environment with chemicals such as ammonia. |