

Achievement Chart Category	Level 1	Level 2	Level 3	Level 4
Knowledge & Understanding	A list of methods of purifying waste water is developed with limited accuracy.	A list of methods of purifying waste water is developed with some accuracy.	A list of methods of purifying waste water is developed with considerable accuracy.	A highly accurate list of methods of purifying waste water is developed.
Thinking & Investigation	The prediction is written with limited accuracy and clarity.	The prediction is written with some accuracy and clarity.	The prediction is written with considerable accuracy and clarity.	The prediction is written with a high degree of accuracy and clarity.
	Conducts the experiment, carrying out the procedure safely and recording data accurately with limited effectiveness.	Conducts the experiment, carrying out the procedure safely and recording data accurately with some effectiveness.	Conducts the experiment, carrying out the procedure safely and recording data accurately with considerable effectiveness.	Conducts the experiment, carrying out the procedure safely and recording data accurately in a highly effective manner.
	Student evaluates the success of the purification process and proposes possible improvements to the design with limited effectiveness.	Student evaluates the success of the purification process and proposes possible improvements to the design with some effectiveness.	Student evaluates the success of the purification process and proposes possible improvements to the design with considerable effectiveness.	Student evaluates the success of the purification process and proposes possible improvements to the design with a high degree of effectiveness.
	Identifies sources of uncertainty with limited accuracy.	Identifies sources of uncertainty with some accuracy.	Identifies sources of uncertainty with a considerable accuracy.	Identifies sources of uncertainty with a high degree of accuracy.



Unit 3 Inquiry Investigation Rubric

(continued)

Achievement Chart Category	Level 1	Level 2	Level 3	Level 4
Communication	Information is organized with limited effectiveness.	Information is organized with some effectiveness.	Information is organized with considerable effectiveness.	Information is organized with a high degree of effectiveness.
	Student communicates information for selected audience and purpose with limited effectiveness.	Student communicates information for selected audience and purpose with some effectiveness.	Student communicates information for selected audience and purpose with considerable effectiveness.	Student communicates information for selected audience and purpose with a high degree of effectiveness.
Application	Makes connections between results and waste water recycling with limited effectiveness.	Makes connections between results and waste water recycling with some effectiveness.	Makes connections between results and waste water recycling with considerable effectiveness.	Makes connections between results and waste water recycling with a high degree of effectiveness.

