

Achievement Chart Category	Level 1	Level 2	Level 3	Level 4
Knowledge & Understanding	Demonstrates limited knowledge of specific issues related to the use of road salt and other chemicals.	Demonstrates some knowledge of specific issues related to the use of road salt and other chemicals	Demonstrates considerable knowledge of specific issues to the use of road salt and other chemicals	Demonstrates a high degree of knowledge of specific issues related to the use of road salt and other chemicals.
Thinking & Investigation	Used few resources to investigate environmental damage caused by road salt.	Used some resources to investigate environmental damage caused by road salt.	Used a variety of resources to investigate environmental damage caused by road salt.	Used many resources to investigate environmental damage caused by road salt.
	Little analysis of problem provided.	Some analysis of problem provided.	Problem analyzed using a PMI chart.	Detailed analysis of problem provided using a PMI chart.
Communication	Communicates a position on the issue with supporting evidence, using appropriate scientific vocabulary, with limited effectiveness, creativity, and clarity.	Communicates a position on the issue with supporting evidence, using appropriate scientific vocabulary, with some effectiveness, creativity, and clarity.	Communicates a position on the issue with supporting evidence, using appropriate scientific vocabulary, with considerable effectiveness, creativity, and clarity.	Communicates a position on the issue with supporting evidence, using appropriate scientific vocabulary, with a high degree of effectiveness, creativity, and clarity.
Application	Proposes alternatives to using salt and provides rationale with limited effectiveness.	Proposes alternatives to using salt after considering positive and negative impacts, and provides rationale with some effectiveness.	Proposes alternatives to using salt after considering positive and negative impacts, and provides rationale with considerable effectiveness.	Proposes alternatives to using salt after considering positive and negative impacts, and provides rationale with a high degree of effectiveness.

