PERFORMANCE TASK ASSESSMENT LIST

Using Math in Science

Element	Points Possible	Assessment Points Earned Assessment Self	Assessment Points Earned Assessment Teacher
Understanding the Problem			
1. The problem is clearly defined by being restated.	_____	_____	_____
2. Given information is identified.	_____	_____	_____
3. Information that must be assumed is listed.	_____	_____	_____
4. Information that must be obtained is listed.	_____	_____	_____
5. A clear diagram is drawn that shows the important elements of the problem.	_____	_____	_____
Solving the Problem			
6. The algebraic formula(s) for this problem is listed.	_____	_____	_____
7. The formula(s) is rearranged correctly to solve for the unknown quantity.	_____	_____	_____
8. Appropriately labeled values are put in the final formula.	_____	_____	_____
9. Appropriate arithmetic operations are used accurately.	_____	_____	_____
10. All values are labeled.	_____	_____	_____
11. Reasoning can be easily followed by the sequence of arithmetic operations.	_____	_____	_____
12. The appropriate number of significant figures is used.	_____	_____	_____
13. Scientific notation is correctly used.	_____	_____	_____
14. The answer is correct and labeled correctly.	_____	_____	_____
15. The answer is appropriate according to the assumptions and reasoning used.	_____	_____	_____
Communicating the Result			
16. A clear, concise statement of the problem, the strategy for the solution, and the answer are made. Math vocabulary is used correctly.	_____	_____	_____
17. A labeled diagram is used to support the written statement.	_____	_____	_____
Total	_____	_____	_____