

NAME: «CERT_NAMES»

CATEGORY: «CATEGORY»

DIVISION: «DIVISION»

DIVISION 1 = INDIVIDUALS IN GRADE 7-8-9

DIVISION 2 = INDIVIDUALS IN GRADES 10-11-12

DIVISION 3 = TEAMS OF TWO IN GRADE 7-8-9

DIVISION 4 = TEAMS OF TWO IN GRADES 10-11-12

_____ 15 pts. Knowledge Gained - Is there evidence that the student has acquired scientific skills and/or knowledge by doing this project? Does the exhibitor recognize the scope and limitation of the problem he/she has selected?

_____ 10 pts. Scientific Approach - Has the problem been clearly stated? Has the exhibitor solved the problem by using scientific facts as a basis for new conclusions? Is the exhibitor aware of the basic scientific principles that lend support to the methods used and the conclusions reached?

_____ 10 pts. Experimental Research - Has data been gathered from work done by the student, rather than the results from the work of others? Is the exhibitor's equipment effective? Does it do what it was intended to do? Can the research be the basis for further experimentation? Is the project actually a model or demonstration? Have variables been clearly identified and controlled for in the research process?

_____ 10 pts. Individual/Team Work - Has material been gathered and cited using an appropriate format? Is the logbook present for examination? Does the log book contain detailed information about the research process? If this was a team project, is there evidence of collaboration present? Identify the portions of the presentation representing the work of others.

_____ 10 pts. Thoroughness - Is the exhibitor aware of the empirical method (the necessity of repeating trials) and the importance of controlling the variables in the experimentation in order to reach valid conclusions? Has the analysis of the problem been orderly? Have procedures been outlined in a step-by-step fashion? How successfully was the original plan carried through to completion?

_____ 10 pts. Information - Are known facts and principles stated correctly and used accurately? Have the results of experiments been reported accurately even though faulty experimental methods or conditions may have made the data unreliable? If so, have these errors been noted?

_____ 15 pts. Results/Conclusions - Has the exhibitor started with known facts and drawn their own conclusions? Are the conclusions consistent with the data and/or observations? Is information provided as to what was learned as a result of research?

_____ 10 pts. Interview - Is the exhibitor able to communicate their knowledge of the project?

_____ 10 pts. Visual Display - Has the data been presented in the best manner for the particular type of information involved? Are spelling errors present? Does the exhibit demonstrate a general neatness and attractiveness? Is the display presented in a logical and interesting manner?

_____/100 INTERVIEW SCORE _____/100 WRITTEN REPORT SCORE

TOTAL SCORE _____

In the event of a tie, winner will be determined based on the score of the written project report. If a tie still exists, the tie will be broken on scores received in the following sections in order: Interview, Thoroughness, Information and Results/Conclusions.