



**Minnesota Academy of Science
Junior Science & Humanities Symposium (JSHS)
Judges Comment Form**



*Note: This sheet WILL be returned to the students and will be the only written feedback they get from the judges.
Please make at least one constructive comment in each section. Use the back of this sheet if necessary.*

Name of Student(s): _____ Judge #: _____

STATEMENT AND IDENTIFICATION OF RESEARCH PROBLEM Is the problem clearly stated? Does the presenter demonstrate understanding of existing knowledge about the research problem?

SCIENTIFIC THOUGHT, CREATIVITY, AND ORIGINALITY Process skills demonstrated by the student in the solution to the research problem and/or the research design. Student demonstrates his or her individual contributions to and understanding of the research problem. Level of effort.

RESEARCH DESIGN, PROCEDURES (MATERIALS & METHODS), RESULTS

(1) SCIENCE – Appropriateness of research design and procedures. Identification and control of variables. Reproducibility. (2) ENGINEERING – Workable solution that is acceptable to a potential user. Recognition of economic feasibility of solution. Recognition of relationship between design and end product. Tested for performance under conditions of use. Results offer an improvement over previous alternatives.

DISCUSSION/CONCLUSIONS Clarity in stating conclusion. Logical conclusion that is relevant to the research problem and the results of the experimentation or testing. Recognizes limits and significance of results. Evidence of student's understanding of the scientific or technological principles. Theoretical or practical implications recognized. What was learned?

SKILL IN COMMUNICATING RESEARCH RESULTS Clarity in communication research results to non-specialized audience and to judges. Definition of terms as necessary. Appropriate use of audio-visu-als. Response to questions from audience and judges.

If you have additional feedback for students, please continue on the back of this form.