

IJAS Annual Meeting Competition Judging Form—Posters

Student Name: _____ Grade: _____

Instructions: Circle the value awarded for each item. Please be aware of the difference in age levels of the presenters. Make allowances for the normally expected differences in maturity and background. Total of XX Points are possible. You may provide comments under each question or on a separate page. Your comments help students improve! RETURN THIS FORM TO THE STUDENT PROGRAMS CHAIR.

SCIENTIFIC THOUGHT **Please Circle One**

Is the problem clearly stated?	The problem statement illustrates that the student understands the problem and communicates this clearly. 3 points	The student communicates most but not all aspects of the problem. 2 points	The problem statement is unclear or illustrates that the student does not have a clear grasp of the problem. 1 point
Is the hypothesis clearly stated?	The hypothesis is clear and related to the stated problem. 3 points	The stated hypothesis is unclear or unclearly related to the problem. 2 points	The hypothesis is not stated or the stated hypothesis is unrelated to the question. 1 point

Sub-TOTAL **/6**

EXPERIMENTAL METHODS

Is the description of the procedures complete?	The procedures clearly describe all steps, what will be done and what materials will be used. 3 points	The procedures describe most of what will be done and most of the materials used. 2 points	Several key steps are missing or no materials are mentioned. 1 point
Is the experiment well designed for the problem described?	Yes, the methods are closely related to the question. 3 points	No, the methods are unrelated or poorly related to the question. 2 points	There is no experimental method. 0 points
Are variables clearly recognized and defined?	Yes, variables, including a control or constant are clearly described and defined. 3 points	Some variables are defined well while others are presented but unclearly defined. 2 points	Not all variables are described. 1 point
Have appropriate safety precautions and/or steps for responsible use of organisms been taken?		Yes or this experiment doesn't require special precautions. 1 point	No 0 points
Are the procedures described likely to result in the collection of meaningful data?		Yes, the procedures lead to the collection of meaningful data. 1 point	No, steps are missing/unclear and likely would not produce the needed data 0 points

Do the procedures/results describe what data will be collected and how it will be analyzed?	The procedures/results describe what data will be collected and how the data will be analyzed. 3 points	The procedures/results vaguely describe the data and how it is analyzed. 2 points	The procedures/results describe what data or how the data will be analyzed but not both. 1 point
Is enough data presented to sufficiently address the problem and hypothesis?		Yes, given the limitations presented, sufficient data is presented. 1 point	No, too little data is collected to reasonably expect the analysis to provide meaningful results 0 points

TOTAL **/15**

ANALYTICAL APPROACH

Are the data organized in a way to facilitate analysis?	Yes, the data are clearly presented in an appropriate graphical/geographical/tabular or other appropriate way. 3 points	The data are presented in an appropriate way, however the execution is confusing or unclear (i.e. perhaps a bar graph is appropriate, however the data is divided into too few or too many bars) 2 points	The representation of the data is inappropriate for analysis or data of this type. 1 point
Does the student formulate explanations from the evidence.	The student uses the data and his/her prior knowledge/research and experience to draw conclusions. 3 points	The student uses some data, prior knowledge, research, and experience to draw conclusions but ignores other evidence introduced during the presentation. 2 points	The student either has no conclusions or the conclusions are very poorly related to the evidence provided in the presentation. 1 point
Are the conclusions valid?	Yes, based on the data and other evidence presented, the conclusions are reasonable. 3 points	Some of the conclusions are reasonable. 2 points	No, the conclusions are inconsistent with the evidence. 0 points

TOTAL **/9**

You may give 1 point for each of the following elements:	Yes	No
Is the poster well organized?	1 point	0 points
Does the poster "stand alone" without the student present to explain elements?	1 point	0 points
Is the text and graphics sufficiently large to read at 3-4 ft away?	1 point	0 points
Does the student included examples of possible future research related to the subject.	1 point	0 points
Does the poster communicate the student's project successfully?	1 point	0 points

TOTAL: /35