

# Scoring Rubric For Fast Plant Model and Presentation

Group Names \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Model:

	Excellent	Poor		
Proper symbols used to represents information passed from generation to generation	5	4	3	2 1
___ <b>P1</b> ___ <b>P2</b> ___ <b>F1</b> ___ <b>F2</b> ___ <b>chromosomes</b> ___ <b>genes</b> (characteristics/traits) ___ <b>gametes</b> ___ <b>legend/key</b>				
Model shows the role of meiosis and gamete formation	5	4	3	2 1
___ <b>P1 gametes</b> represented properly				
___ <b>P2 gametes</b> represented properly				
___ <b>F1 gametes</b> represented properly				
___ <b>Diploid</b> number to <b>haploid</b> number				
Model shows the traits and the ratio in which they occur as it relates to the fast plant data collected	5	4	3	2 1
___ green <b>leaves</b> , yellow leaves, green stems <b>and</b> purple <b>stems</b> are <b>labeled properly</b>				
___ proper <b>ratios</b> are obtained in <b>each generation</b> for the combinations found in the two factor plants				
___ <b>model supports data</b> from the computer simulation				
Model shows the predictions made for various crosses	5	4	3	2 1
___ shows crosses for <b>P1 x P2</b> ___ shows crosses for <b>F1 x F1</b>				
___ shows crosses for <b>F1 x P1</b> or <b>F1 x P2</b>				
Model is of high quality	5	4	3	2 1
___ clearly <b>organized</b> ___ very <b>neat</b> ___ <b>creative</b>				
___ <b>original</b> in design    ___ <b>legible from a distance</b>				

**Total Points:** \_\_\_\_\_

## Presentation:

	Excellent			Poor	
Presentation of how traits are passed from generation to generation	5	4	3	2	1
___ <b>poster</b> used to explain inheritance so it is <b>not confusing</b>					
___ <b>explanation</b> of how <b>traits</b> are <b>labeled on chromosomes</b>					
___ use of a <b>legend</b> or key					
___ <b>one and two</b> trait ( <b>factor</b> ) problems are <b>discussed</b>					
An explanation of independent assortment and sex cell formation	5	4	3	2	1
___ meiosis is used to explain <b>gamete formation</b>					
___ <b>independent assortment</b> is clearly explained					
___ a <b>visual aid of independent assortment</b> included here and/or with model					
Presenter needs to use good visual aids	5	4	3	2	1
___ <b>one addition physical display</b> (other than poster)					
___ visual aids are <b>large enough</b> for all in classroom to see					
___ visual aids are <b>neat and clear</b>					
Presentation is organized	5	4	3	2	1
___ <b>all members</b> play a <b>significant role</b> in presentation					
___ presentation appears <b>well rehearsed</b>					
___ presentation is <b>8 to 10 minutes</b> in length					
Presentation kept everyone's attention	5	4	3	2	1
___ <b>creative</b> ___ has strong <b>visual appeal</b>					
___ <b>interesting</b>					

**Total Points:** \_\_\_\_\_