

# Predicting Results Lab

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

Score \_\_\_\_\_ / 20 (÷5) = \_\_\_\_\_ / 4

Category	4	3	2	1
Heading / Title Purpose / Hypothesis ____ / 4	Hypothesis provides a research-based rationale for the prediction. The research source is cited.	Heading Title Purpose Hypothesis clearly predicts probability of fur colors. A Punnett Square is used.	One of the required elements is missing	Two or more of the required elements are missing.
Materials/ Procedure ____ / 4	Exceptional detail – includes drawing of set up with the instruction sheet (this may be included with the results / observations)	All materials are listed and adequately identified (drawing/description) so another person could find all of the supplies All steps are detailed so another person could repeat your technique exactly	Material are <u>partially</u> listed and/or described. Steps are <u>partially</u> described so a reader would be able to repeat most steps accurately	Materials and/or steps are missing and a reader would be misled by reading your lab.
Results ____ / 4	In addition to a high quality data table identifies the data required for “3”, additional data and observations are included.	A data table is included that clearly identifies the data for the individual group and the class total. A ruler is used. A graph of class data which clearly shows totals of black and brown bunnies	Data is included which identifies counts – either no table was used or a ruler was not used.	Data is missing and/or inaccurate. No table was used.
Analysis Paragraph ____ / 4	Level 4: in addition to thoroughly completing levels 1-3, the discussion continues to include comments on how the results from this lab may model possible outcomes in genetics. – for example incomplete dominance or related ideas.	Level 1: Topic sentence which describes nature of chance. Level 2: Next sentence(s) explain that we conducted an experiment to collect evidence of how chance influences genetic traits. Level 3: The following sentences <u>clearly interpret the data from the experiment and identify trends</u>	One element of 1-3 is missing	Two elements of 1-3 are missing.
Conclusion ____ / 4	In addition to the proficient requirements, paragraph includes insightful additions to the rationale to the discussion of the hypothesis, what you learned.. Clear reference to scientific principles and data should be included.	Topic sentence restates the purpose Acceptance/rejection of the hypothesis is clearly identified. A brief explanation of why the hypothesis was accepted/rejected. A logical “what you learned” statement related to the data/purpose.	One element of a proficient response is missing.	Two or more elements of a proficient response are missing.