Title	Lab Report Checklist		
$\Diamond$	Concise and descriptive		
Introduction			
$\Diamond$	Provide background information and theory relevant to the experiment performed		
$\Diamond$	Explain overall theme of the experiment		
$\Diamond$	If specific organisms were used, introduce species by scientific name		
$\Diamond$	Explicitly list objectives, hypotheses, and predictions		
Mater	rials and Methods		
$\Diamond$	Describe experimental design without too much or too little detail		
$\Diamond$	Do not present raw or analyzed data		
Results			
$\Diamond$	Number and title Figures and Tables (Figure 1, 2, 3 Table 1, 2, 3)		
$\Diamond$	Label axes on Figures and show legends		
$\Diamond$	Verbally describe and refer to what each table or figure shows (in full paragraphs)		
$\Diamond$	Do not interpret what data means		
Discussion			
$\Diamond$	Interpret the results and relate them back to the overall theme of the experiment		
$\Diamond$	Use the results as evidence supporting or refuting hypotheses (not proving right or wrong)		
$\Diamond$	Reflect on what could be done to improve the experiment or learn more about different aspects of the system studied		
$\Diamond$	Link finding from this experiment to big picture ideas introduced in the Introduction		
Work	Cited		
$\Diamond$	All sources used in the text are cited here		
$\Diamond$	Sources not used in the text are not cited here		
$\Diamond$	Citations are formatted correctly		

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Section	Scientific method step	As well as
Introduction	states your hypothesis	explains how you derived that hypothesis and how it connects to previous research; gives the purpose of the experiment/study
Methods	details how you tested your hypothesis	clarifies why you performed your study in that particular way
Results	provides raw (i.e., uninterpreted) data collected	(perhaps) expresses the data in table form, as an easy-to- read figure, or as percentages/ratios
Discussion	considers whether the data you obtained support the hypothesis	explores the implications of your finding and judges the potential limitations of your experimental design