

CONTENTS

⊗ HOW TO USE THIS WORKBOOK	1
⊗ INTRODUCTION TO LAB REPORTS	2
WHAT IS SCIENCE?	
WHAT IS AN EXPERIMENT/SCIENCE PROJECT?	
WHAT IS THE SCIENTIFIC METHOD?	
WHO WRITES A LAB REPORT?	
WHY WRITE A LAB REPORT?	
HOW DO YOU WRITE A LAB REPORT?	
WHAT ARE THE ELEMENTS OF A LAB REPORT?	
⊗ HOW TO APPLY THE SCIENTIFIC METHOD	6
⊗ WHAT EXPERIMENT/SCIENCE PROJECT?	10



WORKBOOK

	1
⊗ LEVEL ONE LAB REPORTS	13
1ST LOG	14
TITLE?	
PURPOSE?	
MATERIALS, EQUIPMENT, AND METHODS?	
OBSERVATIONS, MEASUREMENTS, AND RESULTS?	
DISCUSSION AND CONCLUSIONS?	
LAB REPORT TRANSFER INSTRUCTIONS	23
LAB REPORT	25
2ND LOG	28
LAB REPORT	32
3RD LOG	35
LAB REPORT	39
GRADING INSTRUCTIONS	42
GRADING CHART	43

INTRODUCTION TO LAB REPORTS

1 WHAT IS SCIENCE?

Science is the carefully planned study of anything in our Heavenly Father's universe that is interesting to mankind. Science is special because it uses research, observation, and experimentation to understand how and why something works.

There are many branches of science that mankind can study, including biology, chemistry, and physics.

Biology is the study of the plant and animal world.

Chemistry is the study of the composition of substances like liquids, solids, and gases, as well as their behavior.

Physics is the study of properties, changes, and interactions in the physical world.

Science is a wonderful part of education, and our Heavenly Father gave mankind a special gift when He created each one of us. He gave us an inquisitive mind to wonder about many things. Science came into being because other people just like you wanted to know answers to the questions their inquisitive minds had. Thus, science is a search for answers, and a scientist is the searcher.

Where does a scientist search for answers? One place is in the **Bible**. Inside the Bible, there are many scripture verses and passages of text that record the thoughts, words, and actions of our Heavenly Father. These scriptures contain many answers, called truths, about our world. The Bible contains true information that our Heavenly Father has given us. He answers our wonderings about how and why He created the things in our universe.

For instance, a scientist can find answers to all of the following questions in the Bible. How was the world created? What foods are healthy to eat or not healthy to eat? From where does the weather come? How do ants function?