

Table of Contents

BOTANY INTRODUCTION.....	1
PRESERVATION OF PLANTS.....	3
PROPAGATION OF PLANTS.....	6
HORTICULTURE: THE CARE OF PLANTS.....	9
HORTICULTURE: THE CARE OF PLANTS (CONTINUED).....	11
INTRODUCING PLANT TO THE CLASSROOM.....	12
LIST OF HOUSE PLANTS.....	13
SECOND GREAT LESSON: THE STORY OF THE COMING OF LIFE.....	18
LIVING/NON-LIVING.....	23
THE DOMAINS.....	26
THE KINGDOMS.....	30
PLANT/ANIMAL.....	40
THE PLANT.....	43
THE ROOT SYSTEM.....	48
THE TYPES OF ROOTS.....	52
THE SHAPES OF TAPROOTS.....	58
THE STEMS.....	63
THE TYPES OF STEMS.....	68
THE STEM LENGTH.....	72
THE LEAVES.....	78
THE TYPES OF LEAF VENATION.....	87
THE TYPES OF MARGINS.....	90
THE TYPES OF DENTED MARGINS.....	95
THE TYPES OF LEAF BLADES.....	100
THE TYPES OF COMPOUND LEAVES.....	103
THE LEAF ATTACHMENT TO THE STEM.....	107
THE TYPES OF LEAF ARRANGEMENT.....	110

THE SHAPES OF ENTIRE MARGINS.....	114
THE FLOWERS.....	122
THE STAMENS.....	127
THE PISTILS.....	130
THE OVARY POSITIONS.....	134
THE COMPLETE AND INCOMPLETE FLOWERS.....	138
THE PERFECT AND IMPERFECT FLOWERS.....	142
THE FUSED OR SEPARATE FLOWER PARTS.....	146
THE TYPES OF SEPALS.....	151
THE TYPES OF FLOWER SYMMETRY.....	154
THE SHAPES OF THE COROLLAS.....	157
THE TYPES OF FLOWER POSITION.....	164
THE TYPES OF FLOWER ARRANGEMENT.....	167
THE TYPES OF INFLORESCENCES.....	170
POLLINATION AND FERTILIZATION.....	176
THE FRUIT.....	177
THE TYPES OF FRUIT.....	181
THE TYPES OF SUCCULENT FRUIT.....	184
THE TYPES OF SIMPLE SUCCULENT FRUIT.....	187
THE TYPES OF DRY FRUIT.....	191
THE TYPES OF DEHISCENT DRY FRUIT.....	195
THE TYPES OF INDEHISCENT DRY FRUIT.....	199
THE SEED.....	203
THE TYPES OF SEEDS.....	208
THE MONOCOTYLEDON SEED.....	211
THE DICOTYLEDON SEED.....	216
THE GERMINATION PROCESS.....	221
MONOCOT AND DICOT ANGIOSPERM PLANTS.....	226
THE MONOCOT ANGIOSPERM.....	228

THE DICOT ANGIOSPERM.....	232
ANALYSIS OF A PLANT.....	236
ANALYSIS OF ROOT.....	237
ANALYSIS OF STEM.....	238
ANALYSIS OF LEAF.....	239
STUDY OF LEAF - REVIEW.....	241
ANALYSIS OF FLOWER.....	243
ANALYSIS OF FRUIT.....	245
FIRST KNOWLEDGE OF THE PLANT KINGDOM:	
PICTURES AND LABELS.....	246
PICTURES, LABELS, AND STORIES	249
RESEARCH QUESTIONS WITH ALL PICTURES.....	251
RESEARCH QUESTIONS WITH ONE PICTURE.....	254
PLANTS FROM THE CONTINENTS.....	258
THE CLASSIFICATION OF PLANTS: TAXONOMY.....	259
MATERIALS LIST.....	265
MATERIAL SOURCES.....	279
RECOMMENDED READING.....	284
ADDITIONAL TITLES AVAILABLE.....	285