

Contents

UNIT 1. THE STUDY OF LIFE

Basic Core	1
Extended Area—Biochemistry.....	10

UNIT 2. MAINTENANCE IN ANIMALS

Basic Core

Part I: Nutrition and Transport.....	17
Part II: Respiration and Excretion.....	26
Part III: Synthesis, Regulation, and Locomotion.....	31
• Extended Area—Human Physiology.....	37
• Extended Area—Biochemistry	52

UNIT 3. MAINTENANCE IN PLANTS

Basic Core	55
Extended Area—Biochemistry	63

UNIT 4. REPRODUCTION AND DEVELOPMENT

Basic Core	66
Extended Area—Reproduction and Development.....	80

UNIT 5. GENETICS

Basic Core	91
Extended Area—Modern Genetics.....	108

UNIT 6. EVOLUTION AND DIVERSITY

Basic Core	113
Extended Area—Modern Theory of Evolution.....	125

UNIT 7. PLANTS AND ANIMALS IN THEIR ENVIRONMENT

Basic Core	129
Extended Area—Ecology	141

GLOSSARY

148

REGENTS EXAMINATIONS