

Science Research Writing

For Mon-Mative
Speakers of English

Hilary Glasman-Deal
Imperial College London, UK

UNIVERSITAT
LIECHTENSTEIN
Bibliothek

Imperial College Press



Contents

Introduction: How to Use This Book	v
Unit 1: How to Write an Introduction	
1.1 Structure	1
1.2 Grammar and Writing Skills	4
1.2.1 Tense pairs	4
1.2.2 Signalling language	7
1.2.3 Passive/Active	11
1.3 Writing Task: Build a Model	15
1.3.1 Building a model	15
1.3.2 Key	17
1.3.3 The model	24
1.3.4 Testing the Model	25
1.4 Vocabulary	32
1.4.1 Vocabulary for the Introduction	34
1.5 Writing an Introduction	41
1.5.1 Write an Introduction	41
1.5.2 Key	42
Unit 2: Writing about Methodology	
2.1 Structure	44
2.2 Grammar and Writing Skills	46
2.2.1 Passives and tense pairs	47
2.2.2 Use of 'a' and 'the'	50
2.2.3 Adverbs and adverb location	56
2.3 Writing Task: Build a Model	57
2.3.1 Building a model	57
2.3.2 Key	. 59

2.3.3 The model	66
2.3.4 Testing the model	67
2.4 Vocabulary	75
2.4.1 Vocabulary task	76
2.4.2 Vocabulary for the Methodology section	77
2.5 Writing a Methodology Section	88
2.5.1 Write a Methodology section	88
2.5.2 Key	90
Unit 3: Writing about Results	
3.1 Structure	91
3.2 Grammar and Writing Skills	94
3.2.1 Sequence	94
3.2.2 Frequency	99
3.2.3 Quantity	-
3.2.4 Causality	102
3.3 Writing Task: Build a Model	108
3.3.1 Building a model	111
3.3.2 Key	113
3.3.3 The model	122
3.3.4 Testing the model	124
3.4 Vocabulary	135
3.4.1 Vocabulary task	136
3.4.2 Vocabulary for the Results section	137
3.5 Writing a Results Section	149
3.5.1 Write a Results section	150
3.5.2 Key	151
Unit 4: Writing the Discussion/Conclusion	
4.1 Structure	154
4.2 Grammar and Writing Skills	158
4.3 Writing Task: Build a Model	167
4.3.1 Building a model	167
4.3.2 Key	170
4.3.3 The model	179
4.3.4 Testing the model	180

4.4 Vocabulary	186
4.4.1 Vocabulary task	187
4.4.2 Vocabulary for the Discussion/Conclusion	187
4.5 Writing a Discussion/Conclusion	193
4.5.1 Write a Discussion/Conclusion	194
 Unit 5: Writing the Abstract	
5.1 Structure	197
5.2 Grammar and Writing Skills	201
5.2.1 Verb tense	201
5.2.2 Length	204
5.2.3 Language	204
5.3 Writing Task: Build a Model	205
5.3.1 Building a model	205
5.3.2 Key	206
5.3.3 The models	212
5.3.4 Testing the models	213
5.4 Vocabulary	216
5.4.1 Vocabulary task	217
5.4.2 Vocabulary for the Abstract	217
5.5 Writing an Abstract	221
5.5.1 Write an Abstract	221
5.5.2 Key	224
5.6 Creating a Title	224
 Sources and Credits	
Useful Resources and Further Reading	229
Appendix A: Abbreviations Used in Science Writing	231
Appendix B: Prefixes Used in Science Writing	233
Appendix C: Latin and Greek Singular and Plural Forms	234
Appendix D: Useful Verbs	239
Index of Contents	241
Index of Vocabulary	243
	245