Contents

| Introduction | 3 |
|---------------|---|
| IIIIIOduction | 0 |

| 1 | Concepts in Psychology / |
|---|---|
| | 1.1 "Concept" in Psychology 7 |
| | 1.2 Evidence for the Existence of Concepts 14 |
| | 1.3 What Is a Psychological Theory of Concepts? 17 |
| | 1.4 Alternative Characterizations of the Notion of Concept 21 |
| | 1.5 Conclusion 29 |

2 Concepts in Philosophy 31

- 2.1 "Concept" in Philosophy 32
- 2.2 Concepts in Philosophy versus Concepts in Psychology 34
- 2.3 How Are the Psychological and the Philosophical Theories of Concepts Connected? Peacocke's Simple Account 38
- 2.4 How Are the Psychological and the Philosophical Theories of Concepts Connected? The Foundationalist Account 47
- 2.5 Conclusion 50

3 The Heterogeneity Hypothesis 52

- 3.1 The Received View 53
- 3.2 The Heterogeneity Hypothesis 56
- 3.3 Hybrid Theories of Concepts 63
- 3.4 Conclusion 74

xii Contents

| 4 | Three Fundamental Kinds of Concepts: Prototypes, Exemplars, |
|---|---|
| | Theories 76 |
| | 4.1 The Classical Theory of Concepts 77 |
| | 4.2 The Prototype Paradigm of Concepts 83 |
| | 4.3 The Exemplar Paradigm of Concepts 92 |
| | 4.4 The Theory Paradigm of Concepts 100 |
| | 4.5 Alternative Views of Concepts 108 |
| | 4.6 Three Theoretical Entities That Have Little in Common 118 |
| | 4.7 Conclusion 119 |
| | |
| 5 | Multi-Process Theories 121 |
| | 5.1 Multi-Process Theories 121 |
| | 5.2 Examples of Multi-Process Theories 140 |
| | 5.3 Conclusion 150 |
| | |
| 6 | Categorization and Concept Learning 151 |
| | 6.1 Categorization and Concept Learning 152 |
| | 6.2 Studying Categorization and Concept Learning 158 |
| | 6.3 Evidence for the Existence of Prototypes 163 |
| | 6.4 Evidence for the Existence of Exemplars 173 |
| | 6.5 Evidence for the Existence of Theories 183 |
| | 6.6 Organization of the Categorization Processes and of the Concept-Learn |
| | Processes 193 |
| | 6.7 Conclusion 106 |
| | |
| 7 | Induction, Concept Combination, and Neuropsychology 197 |
| | 7.1 Induction 197 |
| | 7.2 Concept Combination 207 |
| | 7.3 Neuropsychology 212 |
| | 7.4 Conclusion 218 |
| | |
| 8 | Concept Eliminativism 219 |
| | 8.1 Two Inconclusive Arguments against the Notion of Concept 220 |
| | 8.2 Natural Kinds and Scientific Eliminativism 230 |
| | 8.3 The Argument for the Elimination of "Concept" 241 |
| | 8.4 Objections and Replies 243 |
| | 8.5 Conclusion 245 |

Conclusion 247
References 253
Index of Names 277
Index of Subjects 279