

Contents

Review The Essential Accounts for a Corporation 1

The Accounts for a Corporation 1

Equity Accounts 1

Corporate Financial Statements: Quick Review 2

SECTION I ADJUSTING THE ACCOUNTS

Learning Goal 1: Explain the Meaning of “Accounting Period” 7

Overview of Accounting Periods 7

The Need to Measure Change 8

The Best Way of Measuring Financial Change 11

Summary of Effects of Revenues and Expenses 12

VOCABULARY 13

PRACTICE 14

Learning Goal 2: Explain the Basic Principles for Recording Revenues and Expenses 16

Accrual Basis Accounting 16

Overview of Accrual Basis 16

Accrual Accounting Principles 18

Applying the Revenue Recognition Principle 19

Applying the Matching Principle 20

Cash Basis Accounting—A Simplified Alternative 23

Overview of Cash Basis 23

How to Apply Cash Basis 24

Illustration of Cash and Accrual Method Differences 25

Revenues 25

Expenses 26

QUICK REVIEW 27

VOCABULARY 27

PRACTICE 28

Learning Goal 3: Explain the Concept of Adjusting Entries 36

Overview of General Features 36

Summary 36

What Are Adjusting Entries? 37

Why Adjusting Entries Are Needed 37

The Common Qualities of Adjusting Entries 37

Overview of Adjustment Types 40

The Five Causes of the Five Adjustments 40

Classification, Valuation, and Timing 41

QUICK REVIEW 42

Learning Goal 4: Analyze Accounts and Prepare Adjusting Entries 43

How to Know Which Adjustment to Do 43

Overview of the Process 43

Prepaid Expenses (Deferred Expenses) 44

Unearned Revenues (Deferred Revenues) 46

Depreciation 47

Accrued Revenues 48

Accrued Expenses 49

The Simple System 50

The Standard Forms of Adjusting Journal Entries 51

Other Special Entries: Reversals and Corrections 51

Reversing Entries 51

Correcting Entries 52

QUICK REVIEW 52

VOCABULARY 52

PRACTICE 53

Appendix Part I Appendix Part I to Learning Goal 4 71

A Closer Look at Prepaid Expenses 72

Identify Prepaid Expenses 72

How a Prepayment Becomes an Expense 73

How to Adjust Prepaid Expenses 76

The Two Objectives 76

Objective I: Prepare the Adjusting Journal Entry 78

Step 1: Identify the Key Information Type 78

Step 2: Select the Proper Method to Calculate Cost Used Up 84

- Using Information Type 1: The Asset Cost Remaining 86

- Using Information Type 2: The Asset Cost Used Up 90

- Using Information Type 3: The Cost Per Unit of the Asset 93

- Using Combinations of Information Types 96

Step 3: Prepare the Adjusting Journal Entry 99

Objective II: Determine the New Balances of the Accounts Affected 101

Three Easy Steps 101

PRACTICE 102

Appendix Part II **Appendix Part II to Learning Goal 4 105**

A Closer Look at Unearned Revenue 106
 Identify Unearned Revenues 106
 How the Liability Becomes a Revenue 107
How to Adjust Unearned Revenues 108
 The Two Objectives 108
Objective I: Prepare the Adjusting Journal Entry 110
 Step 1: Identify the Key Information Type 110
 Step 2: Select the Proper Method to Calculate the Revenue Earned 116

- Using Information Type 1: The Unearned Revenue Actually Remaining 118
- Using Information Type 2: The Unearned Revenue That Was Earned 121
- Using Information Type 3: The Unearned Revenue Per Unit 124

Step 3: Prepare the Adjusting Journal Entry 128
Objective II: Determine the New Balances of the Accounts Affected 130
 Three Easy Steps 130
Comparing the Two Deferrals 131
 Prepaid Expense Compared to Unearned Revenue 131
QUICK REVIEW 132
VOCABULARY 132
PRACTICE 133

Appendix Part III **Appendix Part III to Learning Goal 4 136**

A Closer Look at Depreciation 136
 Overview of Depreciation 136
 Overview of Plant and Equipment 137
Calculating Depreciation and Making the Adjusting Entry 139
 Calculating the Amount of Depreciation 139
 Making the Adjusting Entry 141
Book Value 143
 Definition and Examples 143
QUICK REVIEW 145
VOCABULARY 145
PRACTICE 146

Appendix Part IV **Appendix Part IV to Learning Goal 4 149**

Overview of Accruals 150
 Accrued Revenues and Accrued Expenses 150

Accrual Adjustments 150
A Closer Look at Accrued Revenues 151
 Identify Accrued Revenues 151
How to Adjust for Accrued Revenues 152
 The Two Objectives 152
Objective I: Prepare the Adjusting Journal Entry 154
 Step 1: Identify the Key Information Type 154
 Step 2: Select the Proper Method to Calculate the Revenue Earned 157
 Step 3: Prepare the Adjusting Journal Entry 159
Objective II: Determine the New Account Balances 161
 Three Easy Steps 161
What Happens in the Period After the Accrual? 162
 Examples 162

Appendix Part V **Appendix Part V to Learning Goal 4 166**

A Closer Look at Accrued Expenses 166
 Identify Accrued Expenses 166
How to Adjust for Accrued Expenses 168
 The Two Objectives 168
Objective I: Prepare the Adjusting Journal Entry 170
 Step 1: Identify the Key Information Type 170
 Step 2: Select the Proper Method to Calculate the Expense 172
 Step 3: Prepare the Adjusting Journal Entry 175
Objective II: Determine the New Account Balances 177
 Three Easy Steps 177
What Happens in the Period After the Accrual? 178
 Examples 178
QUICK REVIEW 181
VOCABULARY 181
PRACTICE 182

Learning Goal 5: Prepare and Use an Adjusted Trial Balance 186

The Adjusted Trial Balance 186
 Overview of the Adjusted Trial Balance 186
 Prepare Financial Statements from the Adjusted Trial Balance 187
PRACTICE 190

Learning Goal 6: Review the Accounting Cycle 191

The Accounting Cycle Procedures 191
CUMULATIVE VOCABULARY REVIEW 193
CUMULATIVE TEST 194
CUMULATIVE TEST SOLUTIONS 201
HELP TABLE 203

SECTION II COMPLETING THE ACCOUNTING CYCLE

Learning Goal 7: Prepare and Use a Worksheet; Use a Classified Balance Sheet 205

Overview of Section II 205
Identify a Worksheet 206
 What Is a Worksheet? 206
 The Qualities of a Worksheet 207
The Five Steps 208
 Step 1: Prepare the Trial Balance on the Worksheet 208
 Step 2: Calculate the Adjustments and Enter Them in the Adjustments Column 209
 Step 3: Enter Account Balances in the Adjusted Trial Balance Column 212
 Step 4: Extend the Adjusted Trial Balance Amounts into the Financial Statement Columns 219
 Step 5: Total the Financial Statement Columns and Compute the Net Income or Net Loss 221
The Three Results of Using a Worksheet 225
 Overview 225
 Result 1: Financial Statements 225
 Result 2: Adjusting Entries 228
 Result 3: A Source for the Closing Journal Entries 228
The Concept and Example of Classification 228
 Overview: The Concept of Classification 228
 The Classified Balance Sheet 229
The Balance Sheet Classifications Explained 230
 The Asset Classifications 230
 The Liability Classifications 231
 Example for Applegate Modeling Agency 232
QUICK REVIEW 234
VOCABULARY 235
PRACTICE 236

Learning Goal 8: Prepare Closing Entries 255

Review of Stockholders' Equity 255
 Overview of Stockholders' Equity 255

Current Period Changes to Retained Earnings 256
The Concept of Closing 257
 Overview 257
 Temporary and Permanent Accounts 258
 Three Specific Objectives of Closing 258
 Use the Accounting Equation to Understand Closing 259
The Closing Procedure 261
 Overview 261
 Overview of the Four Steps to Close the Accounts 263
 Simple T-Account Illustration of the Four Steps 264
 Illustration of a Net Loss 267
 Where to Find the Balances for Closing 268
 Journalizing the Closing Entries 269
 How Quickly Must I Do the Closing at Period End? 273
Appendix 274
 Closing Entries for Proprietorship 274
 Closing Entries for a Partnership 274
QUICK REVIEW 275
VOCABULARY 276
PRACTICE 277

Learning Goal 9: Describe the Complete Accounting Cycle 286

The Complete Accounting Cycle 287
 Description 287
 Illustration—The Accounting Cycle 288
PRACTICE 289
PRACTICE SET 294
CUMULATIVE VOCABULARY REVIEW 297
CUMULATIVE TEST 298
CUMULATIVE TEST SOLUTIONS 302
HELP TABLE 304

SECTION III MERCHANDISING OPERATIONS

Learning Goal 10: Distinguish Service Operations from Merchandising Operations 307

Compare Service and Merchandising 307
 Service and Merchandising Operations Defined 307
 The Operating Cycles Compared 308
 Terminology of Income Calculations 310
 Income Calculation and Reporting 312
 Cost of Goods Sold 313
 Quick Comparison of Periodic and Perpetual 315
 How Do I Know Which Kind of Problem It Is? 316
QUICK REVIEW 317
VOCABULARY 317
PRACTICE 318

Learning Goal 11: Explain and Use the Periodic Inventory Method 321

Overview 321

Net Sales 323

When to Record Revenue 323

Overview of Net Sales 324

Sales Discounts 325

Credit Terms 326

Calculating Discounts 327

Recording Payments from Customers 330

Calculating and Recording Sales Returns and Allowances 335

Shipping Charges and Sales Tax 337

Shipping Charges Paid by the Seller 337

Sales Tax 338

The Cost of Goods Sold Formula 340

Overview of Income Calculation 340

Formula for Cost of Goods Sold Calculation 341

Cost of Goods Available for Sale 344

Overview 344

Beginning Inventory 345

Purchases 346

How Purchases Are Made 348

Purchase Discounts 348

Calculating Purchase Discounts 349

Recording Payments to the Sellers 350

Purchase Returns and Allowances 352

Freight-in 354

Summary Illustration: Cost of Goods Available and Cost of Goods Purchased 357

Comparison Table—Seller and Buyer Journal Entries 358

Ending Inventory 359

Description 359

How to Calculate Ending Inventory 359

How to Report Ending Inventory 360

QUICK REVIEW 362

VOCABULARY 363

PRACTICE 365

Learning Goal 12: Complete the Period-End Procedures—Periodic Method 380

Overview 380

Period-End Procedures: Closing System 381

Completing the Worksheet: Closing System 381

Financial Statements 392

Recording Adjusting and Closing Entries: Closing System 396

Period-End Procedures: Adjusting System 399

Overview 399

Completing the Worksheet: Adjusting System 399

Financial Statements 408

Recording Adjusting and Closing Entries: Adjusting System 408

The Gross Profit Percentage 412

QUICK REVIEW 413

VOCABULARY 413

PRACTICE 414

CUMULATIVE VOCABULARY REVIEW 426

CUMULATIVE TEST 428

CUMULATIVE TEST SOLUTIONS 435

HELP TABLE 436

Learning Goal 13: Explain and Use the Perpetual Inventory Method 437

Overview 437

The Cost of Goods Sold Calculation 439

Overview 439

Optional Formula 440

Transactions That Involve Buying Merchandise 441

Purchases 441

Purchase Discounts 441

Credit Terms 442

Calculating Discounts 443

Recording Payments for Purchases and Discounts 446

Recording Purchase Returns and Allowances 447

Recording Freight Costs 449

Summary of the Merchandise Inventory Account 451

Alternative Method for Discounts, Returns, Allowances, and Freight 451

Transactions That Involve Selling Merchandise 453

Recording Sales Transactions 453

Recording Sales Discounts 453

Recording Sales Returns and Allowances 454

Shipping Charges and Sales Tax 456

Shipping Charges Paid by the Seller 456

Sales Tax 457

Comparing Journal Entries 460

Comparison Table: Seller and Buyer Journal Entries 460

Ending Inventory 461

Recording Ending Inventory Adjustments 461

QUICK REVIEW 462

VOCABULARY 463

PRACTICE 464

Learning Goal 14: Complete the Period-End Procedures—Perpetual Method 474

Introduction and Procedures 474

Overview 474
 Completing the Worksheet 475
 Financial Statements 477
 Recording Adjusting Entries 480
 Recording Closing Entries 481
 The Gross Profit Percentage 483

QUICK REVIEW 484

VOCABULARY 484

PRACTICE 485

CUMULATIVE VOCABULARY REVIEW 497

CUMULATIVE TEST 499

CUMULATIVE TEST SOLUTIONS 505

HELP TABLE 506

SECTION IV ACCOUNTING SYSTEMS

Learning Goal 15: Identify an Accounting System; Explain and Use Its Features 509

Overview 509

Definition and Main Features of Accounting Systems 510

Accounting System Defined 510
 The Essential Elements 510
 Growing Importance of Information Systems 511

Subsidiary Ledgers 513

What Are Subsidiary Ledgers? 513
 Illustrations of Subsidiary Ledgers 515
 Solving Problems Using Subsidiary Account Information 516

Special Journals 518

Overview 518
 What Is a Special Journal? 518
 Why Are Special Journals More Efficient? 519
 The Most Common Special Journals 519
 Features 521
 The Design and Use of a Purchases Journal 522
 The Design and Use of a Sales Journal 526
 Review: Posting Procedure for a Special Journal 528
 The Design and Use of a Cash Receipts Journal 532
 The Design and Use of a Cash Payments Journal 534
 Using the General Journal with Special Journals 538
 Overview of the Special Journals 540

Special Journals for Service Businesses 540

Other Journal Types 541

The Combination Journal 541
 See Special Journals As Reports 542
 Invoices As Journals 544
 Variations in Journals 544

Computerized Accounting Systems Overview 544

Features Compared to a Manual System 544
 The Parts of the System 545
 Entering Data 547
 Different System Sizes 550
 Checklist for Computerized Accounting System Features 551

QUICK REVIEW 552

VOCABULARY 552

PRACTICE 553

SECTION V ANALYSIS OF KEY ACCOUNTS

Learning Goal 16: Report and Control Cash 577

Reporting Cash 578

Cash Defined 578
 How Cash Is Reported on the Balance Sheet 579
 Cash Reported on the Statement of Cash Flows 580

Controlling Cash 580

Internal Control 580
 Using a Checking Account 581

The Bank Reconciliation 586

Overview 586
 Reconciling Items 587
 The Bank Reconciliation Procedure 591
 Some Explanations and Practical Suggestions 593
 Bank Reconciliation Example 594
 A Tip and a Caution 600

The Petty Cash Fund 601

Overview 601
 Establishing the Fund 601
 Petty Cash Payments 602
 Replenishing the Fund 603

Other Cash Payment Controls 605

The Change Fund 605
 Credit Cards 606

Cash Payment Controls for Large Businesses 607

Voucher System Overview 607
 Validation and Verification in a Voucher System 607
 Authorization and Recording in a Voucher System 608

Payment in a Voucher System 609
 Variety of Voucher Systems 610
Cash Receipts Controls 612
 Procedures 612
 Comparison: Review of Internal Control for Cash Payments 614
Internet and E-Commerce Requirements 615
 Key Points 615
Summary of Internal Control Principles 616
 Overview 616
 Business Size 617
QUICK REVIEW 618
VOCABULARY 618
PRACTICE 620

Appendix to Learning Goal 16: **What to Do When The Reconciliation Does Not Reconcile 638**

Overview 638
 Reconcile the Increase Items 639
 Reconcile the Decrease Items 641
 Another Reconciliation Example 643
PRACTICE 651

Learning Goal 17: **Record, Report, and Control Receivables 655**

Receivables 656
 Overview of Receivables 656
Valuation of Accounts Receivable 657
 Overview of the Process 657
 The Allowance Method 660
 Aging of Accounts Receivable 660
 Percentage of Net Sales 663
 Writing Off an Account 665
 Summary 666
 Direct Write-Off Method 668
 Adjustment for Sales Returns and Allowances 668
Disposing of Receivables 669
 Selling Receivables 669
 Internal Control for Accounts Receivable 670
Notes Receivable 672
 Calculating Simple Interest 672
 Note Transaction Examples 674
Financial Statement Presentation of Accounts and Notes Receivable 675
 Examples 675

GAAP Weakness 676
 Comparability and Reliability 676
QUICK REVIEW 677
VOCABULARY 678
PRACTICE 679

Learning Goal 18: **Record, Report, and Control Merchandise Inventory 694**

Merchandise Inventory 695
 Cost of Inventory: Overview of the Issues 695
Assigning Costs Using the Periodic System 696
 Overview 696
 Inventory Data for the Methods Shown 697
 Periodic First-In, First-Out (FIFO) Method 698
 Periodic Last-In, First-Out (LIFO) Method 699
 Periodic Weighted Average Method 699
 Specific Identification Method 703
Assigning Costs Using the Perpetual System 704
 Overview 704
 Inventory Data for Methods Shown 704
 Perpetual First-In, First-Out (FIFO) Method 705
 Perpetual Last-In, First-Out (LIFO) Method 707
 Perpetual Moving Average Method 708
 Comparison of FIFO, LIFO, and Moving Average 710
 A Practical Comparison of FIFO, LIFO, and Moving Average 711
Revaluing the Inventory 712
 Lower of Cost or Market 712
Inventory Errors 713
 Overview 713
 Analysis 713
Estimating Inventory 715
 Gross Profit Method 715
Internal Control for Inventory 717
 Essential Methods 717
GAAP Weakness 718
 Comparability and Reliability 718
QUICK REVIEW 720
VOCABULARY 720
PRACTICE 721

Learning Goal 19: **Record, Report, and Control Fixed Assets and Intangibles 737**

Fixed Assets 738
 Overview 738
Property, Plant, and Equipment Acquisition 739
 Cost Allocation 739

Property, Plant, & Equipment Operations 740

Overview 740

Depreciation 741

Double-Declining Balance (200% Declining Balance) 741

Units-of-Production Depreciation 743

Income Tax Depreciation 743

Partial Year Depreciation 744

Using Fully Depreciated Assets 745

Changing the Estimated Useful Life 745

Misconceptions About Depreciation 746

Repairs and Maintenance 749

Disposition 749

Three Disposition Methods 749

Retired Assets 749

Sold Assets 750

Impaired Assets 751

Overview and Procedure 751

Internal Control for Plant and Equipment 753

Essential Methods 753

Natural Resources 755

Overview 755

Acquisition and Operation 755

Intangible Assets 757

Overview 757

Acquisition and Operation 758

Financial Statement Presentation 759

Fixed Assets and Intangible Assets 759

GAAP Weakness 760

Comparability and Reliability 760

QUICK REVIEW 761**VOCABULARY 762****PRACTICE 763****Appendix
Learning
Goal 19: Exchange Transactions 778**

Overview 778

The Meaning of Commercial Substance 778

Exchanges With Commercial Substance 779

Exchanges With No Commercial Substance 783

PRACTICE 785**Learning
Goal 20: Record, Report, and Control
Current Liabilities and Payroll 786****Current Liabilities 788**

Summary 788

Contingent Liabilities 789

Current Portion of Long-Term Debt 790

Payroll 791

Overview of Payroll 791

Identify Employees 793

Employees 793

Independent Contractors 794

Statutory Employees 795

Employee Identification and Internal Control 795

Employee Identification in the Human Resources Department 796

Calculate the Payroll 797

Overview 797

Gross Pay 798

Identifying and Calculating Gross Pay 798

Withholding 799

Overview 799

Employee Income Tax 800

Employee Social Security (FICA) 802

Other Required Withholding 804

Voluntary Deductions 804

Employer Payroll Taxes 806

Overview 806

Employer Social Security (FICA) 806

Unemployment Taxes 807

Employer Benefits Expense 809

Overview 809

Important Benefit Types 809

Internal Control for Payroll Calculation 810

Record the Payroll 811

Overview 811

The Payroll Register Illustrated 812

Journal Entry for the Gross Pay Expense 814

Journal Entry for the Employer Payroll Tax Expense 814

Journal Entry for the Benefits Expense 815

Employee Earnings Records 815

Make Payments 817

Overview 817

Payments to Employees 817

Payments to Taxing Authorities 818

Payments to Other Parties 819

Internal Control for Payroll Payments 819

Submit Required Forms and Reports 822

Key Items 822

The Use of Computers in Payroll 823

Overview 823

Financial Statement Presentation of Payroll Items 824

Key Points 824

QUICK REVIEW 826

VOCABULARY 826

PRACTICE 828

SECTION VI ANALYZE AND PLAN CASH FLOW

Learning Goal 21: **Prepare and Analyze a Statement of Cash Flows 842**

Overview of the Statement of Cash Flows 843

What is It? 843

What Does It Do? 843

Why Is It Important? 843

How the Statement of Cash Flows Classifies Cash 844

What It Looks Like 847

Prepare a Statement of Cash Flows: Indirect Method 849

Procedure Overview and Continuing Example 849

Step #1: Prepare the Blank Form 849

Step #2: Operating Activities: Income Statement Accounts 849

Step #3: Operating Activities: Current Assets & Liabilities 852

Step #4: Investing & Financing Activities 858

Step #5: Complete the Statement 860

Prepare Operating Activities Using the Direct Method 863

Overview 863

Step #1: Prepare the Blank Form 863

Step #2: Conversion of Revenues Into Cash Receipts 864

Step #3: Conversion of Cost of Goods Sold Into Cash Payments to Suppliers 865

Step #4: Conversion of Remaining Expenses to Cash Payments 865

Step #5: Complete the Statement 867

What Does It All Say? 869

Using the Statement of Cash Flows 869

Ethical Issues 872

Some Calculation Shortcuts for Operating Activities 873

Worksheet Supplement 874

Using a Worksheet: Indirect Method 874

Using a Worksheet: Direct Method 877

QUICK REVIEW 881

VOCABULARY 881

PRACTICE 882

Appendix I: **The Cash Budget**

See Disk In Book or worthyjames.com (student info.)

SECTION VII LONG-TERM LIABILITIES

Overview 910

Appendix II: **Long-Term Liabilities**

See Disk In Book or worthyjames.com (student info.)

SUPPLEMENTARY

Accounting Software Checklist

Text Appendix III Checklist of Computerized Accounting Functions and Features

See disk in book

Additional Techniques

Reversing and Correcting Entries

See disk in book

Essential Math for Accounting

See Disks for Volumes 1 and Volume 2

GLOSSARY 911

CHECKLIST FOR COMPUTERIZED ACCOUNTING SOFTWARE FUNCTIONS AND FEATURES 917

SUBJECT INDEX 922

APPENDIX 1 INDEX 929

APPENDIX 2 INDEX 930

ESSENTIAL MATH INDEX 931

COMPUTER DISK (BACK OF BOOK)

Solutions to Problems by Learning Goal

Accounting Paper and Templates for Problems

Appendix I: The Cash Budget

(Also at worthyjames.com (student info))

Appendix II: Long Term Liabilities

(Also at worthyjames.com (student info))

Appendix III: Checklist for Accounting Software

Additional Techniques: Other Adjusting and Reversing Methods

Essential Math for Accounting