- 1 Introduction
- 2 Overview of Book
- 3 Understanding Authenticity, Fake and Other Terms
 - 3.1 Identification
 - 3.2 Authenticity/Authentic
 - 3.3 Common terms
 - 3.4 How Fakes and Reproductions Are Identified
 - 3.5 How Items Are Identified and Authenticated
 - 3.5 Identification and Authentication Are About Making Judgments Not Being Omniscient
 - 3.6 Questions
- 4 General Knowledge and Research in the Area
 - 4.1 Overview
 - 4.2 Homework Assignment: Doing Basic Online Research
- 5 Basic Identification and Understanding of Materials
 - 5.1 Overview
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- 6 Case Study: Identifying Common plastics in antiques
 - 6.1 Overview
 - 6.2 How to tell plastics from other materials
 - 6.3 Celluloid (Made: 1800s to early/mid 1900s)
 - 6.4 Bakelite and Catalin (Made: 1907 to WWII)
 - 6.5 Casein (1800s to today)
 - 6.6 Lucite
- 7 Materials Identification Case Study: Paper
 - 7.1 Overview
 - 7.2 The standard types of paper.
 - 7.3 Chronology of paper
 - 7.3 Some common fine art paper terms
 - 7.4 Watermarks
- 8 Materials Identification Case Study: Precious Metals
 - 8.1 Overview

- 8.2 Informal quick tips for identifying gold, silver and platinum
- 8.3 Precious metals acid testing kit
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- 9: Materials Identification Assignment
- 10: Identifying and Understanding Processes
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- 11 Process Identification Case Study: Intaglio Prints
 - 11.1 Overview
 - 11.2 Keys to identifying Intaglio Prints
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- 12 Process Identification Study: Halftone Printing
 - 12.1 Overview
 - 12.2 Dating color halftone printing by the primary colors of the dots
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- 13 Case Study: Judging the Authenticity of Prints by Famous Artists
- 14 Signs of Aging
 - 14.1 Overview
 - 14.2 Forged Signs of Aging
 - 14.3 Questions
- 15 Focus: Dating and Identifying Photographs
- 16 Scientific Methods: Introduction
- 17 Basic Scientific Examination
- 18 Basic Science Case Study: Identifying counterfeits and reprints of trading cards by comparison
- 19 Basic Science Homework

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22 Microscopy
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22.2 The basic, inexpensive microscope
22.3 Stereomicroscope regionario orbasti 4.85
22.4 Polarized light, or petrographic, microscopy
22.5 Scanning Electron Microscopy (SEM)
22.6 Other microscopy links
22.7 Questions atavians Abril bas inhumani 3.80
23 Spectroscopy
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23.2 Colorimetry among an animobal report
23.3 Infrared, Raman, Mass and X-Ray Spectroscopy
23.4 Why being able to identify the chemicals and compounds
is important to authentication and forgery detection
23.5 Further reading and videos
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24 Radiometric dating
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24.2 The Science
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24.4 Carbon dating
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24.7 Questions:
25 Case Study: The Old Masters Forger Hans Van Meegeren
26 Case Study: Authenticating the most valuable trading card in

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	31.3 Good provenance enhances value
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	31.5 Stolen items

32 Final Notes

31.6 Questions

- 32.1 Authentication as Making Judgments
- 32.2 The Limits of Science
- 32.3 Cataloging physical qualities and inventing new identification tests should be a neverending process

32.4 The Human Element

32.5 Forces that can corrupt the authentication

33 Final Book Encompassing Questions