Concepts of measurement in physical education are presented in this college-level text to enable the preservice physical education major to develop skills in determining pupil status, designing effective physical activity programs, and measuring student progress. Emphasis is placed upon discussion of essential statistical methods, test administration, and application of results, so that most of the tests might be administered directly from the text. The material is presented in twelve chapters detailing: (1) approaches to Physical Science, Life Science, and Earth and Space Science Standards. The standards for physical science, life science, and earth and space science describe the subject matter of science using three widely accepted divisions of the domain of science. Science subject matter focuses on the science facts, concepts, principles, theories, and models that are important for all students to know, understand, and use. Standards help students develop decision-making skills. Understandings associated with the concepts in Table 6.6 give students a foundation on which to base decisions they will face as citizens. History and Nature of Science Standards. In learning science, students need to understand that science reflects its history and is an ongoing, changing enterprise. Concepts of measurement in physical education are presented in this college-level text to enable the preservice physical education major to develop skills in determining pupil status, designing effective physical activity programs, and measuring student progress. Emphasis is placed upon discussion of essential statistical methods, test administration, and application of results, so that most of the tests might be administered directly from the text. The material is presented in twelve chapters detailing: (1) approaches to