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Principles of Virology: A Comprehensive Textbook that Goes Beyond Facts The leading textbook in virology, Principles of Virology, not only presents facts about individual viruses but also explores their shared processes and capabilities. By examining representative viruses, this textbook provides a rational approach to understanding basic virology, including reproduction mechanisms, and equips students with tools for future encounters with new or understudied viruses. The fully updated edition includes 26 video interviews with renowned scientists, offering valuable insights into the rapidly changing field of virology. This textbook is suitable for undergraduate courses in virology and microbiology as well as graduate courses in virology and infectious diseases. It has been written by a team of experts, including Jane Flint, Vincent R. Racaniello, Glenn F. Rall, Theodora Hatziioannou, and Anna Marie Skalka, who have made significant contributions to the field of virology through their research. This text presents an innovative approach by highlighting common principles and processes across various viruses, making it easier for students to understand viral reproduction and pathogenesis. The updated fifth edition incorporates engaging multimedia elements, such as full-color illustrations, video interviews, and links to relevant resources, to aid in learning. The book is divided into two volumes: Molecular Biology and Pathogenesis and Control, each addressing distinct aspects of viruses and their interactions with host organisms. With a focus on shared principles and a unique appendix, glossary, and online resources, this textbook is well-suited for teaching virology, microbiology, and infectious diseases at both undergraduate and graduate levels. This comprehensive textbook makes significant contributions to the field of virology with in-depth interviews that offer a glimpse into the thought process behind groundbreaking discoveries. The stories of scientists who worked with viruses and made pivotal findings provide valuable insights for students. "Principles of Virology" is an excellent resource for teaching the strategies used by all viruses to reproduce, spread within hosts, and persist in populations. It's suitable for undergraduate courses in virology and microbiology as well as graduate-level courses in virology and infectious diseases. The textbook consists of two volumes: Volume I focuses on the molecular biology of viral reproduction, while Volume II explores the relationship between viruses and their host organisms. Each volume includes a unique appendix, glossary, and links to online resources such as websites, podcasts, and blogs.

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