## **How It Works: Science and Technology**

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## Reference Review BOOKS

ground, critical assessment, an original critical essay, and an excerpt from a standard critical piece comprise each entry. Sidebars offer pedagogical extras. The alphabetical entries are consistent in level and voice and range from relatively simple description of texts to more challenging intricacies of criticism; they each end with a list of sources and "Further Reading" suggestions. The indexes, however, misrepresent the volumes' coverage and seriously weaken their utility. Writers are indexed only if they are among the "Representative Authors." Thus, although Sons and Lovers is described (in the "Bildungsroman" entry), D. H. Lawrence does not appear in the nationality/ethnicity index or in the author/title index (though his novel's title does). Henry Roth is not indexed, even among the Jewish writers in the ethnicity index, though Call It Sleep, a "Representative Work," is in the title index. The omission of Restoration drama, the Spanish Golden Age, detective fiction, and gay and lesbian litera-ture may reflect the limits of the "movement" concept. Despite such reservations, these volumes are well-conceived, reliable, and valuable resources, and will be sought by teachers as well as students.-Patricia D. Lothrop, St. George's School, Newport, RI

HENDERSON, Harry. Terrorist Challenge to America. 316p. (Library in a Book Series). charts. maps. appendix. bibliog. chron. glossary. index. notes. Web sites. CIP. Facts On File. 2003. Tr \$45. ISBN 0-8160-4975-0.1-C 2002014585.

Gr 10 Up-After a brief introduction to terrorist activities directed against the U.S. in the 1990s, this title focuses on the immediate and long-term challenges faced by America in the aftermath of the 9/11 attacks. Henderson examines the country's immediate response to these events and discusses "the shifts in the understanding of the role" of the U.S. The author's balanced approach includes the differing points of view on the motivations of al-Qaeda, the "Bush doctrine" with regard to weapons of mass destruction, and other topics. Homeland Security and pre- and post-9/11 legislation, cases, and issues are also considered. Separate sections offer concise biographical profiles and annotated bibliographies that include a number of periodicals found in public and school libraries. The last entry in the chronology is April 22, 2003, two weeks after the fall of Baghdad. Recommendations for search engines, databases, and print sources explain what they are, where to find them, and offer tips on conducting effective searches. One appendix provides detailed country profiles; another includes simple black-and-white maps and documented tables, Both Harvey W. Kushner's Encyclopedia of Terrorism (Sage, 2002) and Frank Shanty's Encyclopedia of World Terrorism (Sharpe, 2003) are broader-ranging resources. The first includes alphabetical entries on international groups, figures, and events of the past two centuries, while the second takes a topical approach with a number of essays on events of 2001. Henderson's up-to-date volume should be considered by most libraries; it will be useful to students needing background information or specific facts and/or suggestions for further research.—Daryl Grabarek, School Library Journal

HERITAGE, Andrew. Compact Atlas of the World. 192p. pap. \$13. ISBN 0-7894-9357-8.

——. Essential Atlas of the World. 256p. glossary. pap. \$15. ISBN 0-7894-9358-6.
ea vol: illus. maps. index. DK. 2003. LC number unavailable.

Gr 5 Up-Each atlas offers more than 60 colorful maps organized by region and showing elevation, population, major cities, and other political and geographical features. Occasional maps of individual countries are also included and frequent insets isolate and/or focus on specific areas. Compact Atlas also provides maps showing holdings and polifical boundaries worldwide, and time zones, as well as a useful "Country Factfile" that offers pertinent facts along with a picture of each nation's flag. The smaller formatted Essential Atlas has more specialized maps featuring ocean currents, climate, population, language, etc., and provides additional basic information in its "Continental Factfiles." Each book has an accurate index/gazetteer, making information readily accessible. While the maps in the first atlas are larger and easier to read, the second one has a number of useful features lacking in the former. Nonetheless, both of these attractive resources will be useful updates for circulating and reference collections.-Kathleen Kelly MacMillan, Maryland School for the Deaf, Columbia

HOW IT WORKS: SCIENCE AND TECHNOLOGY. 3rd ed. 20 vols. 2879p. charts. diags. illus. photos. bibliog. further reading. glossary. index. Web sites. CIP. Marshall Cavendish. 2003. PLB \$499.95. ISBN 0-7614-7314-9. LC 2001028771.

Gr 8 Up-This truly wide-angle encyclopedia updates How It Works: The Illustrated Encyclopedia of Science and Invention (Marshall Cavendish, 1993). More than 800 articles, on topics ranging from "Agricultural Science" to "Pen" to "Zoology," are arranged in a single alphabet, enhanced by plenty of sharp, color photos, side boxes, and see-also references, and thoroughly indexed in the final volume. Even in sweeping survey articles, such as "Astronomy" or "Physiology," the level of detail is challenging enough to give serious researchers both a broad understanding of the topic's meaning and at least some exposure to its current trends and techniques. There is some effort to fill in historical background, but much more emphasis is placed on modern developments; for instance, "Warship" begins with World War II. Volume 20 includes both a general index and 13 topical ones. The articles' vastly disparate purviews and arbitrary arrangement earn low marks for quick access to information, as do the huge, poorly organized resource lists that open the index volume. Also, the updating becomes spotty after the turn of this century; there is no indication that the genomes of rice, anthrax, and mice have been fully sequenced, for instance, and a discussion of the Mars Odyssey probe, which arrived in orbit at the end of 2001, is oddly free of specific dates. Still, there is more than enough new material here to justify replacing older multivolume science encyclopedias, or to add this to collections supporting a no-holds-barred science curriculum.-John Peters, New York Public Library

KUSHNER, Harvey W. Encyclopedia of Terrorism. 523p. maps. photos. appendix. bibliog. chron. further reading. index. Web sites. CIP. Sage. 2002. PLB \$125. ISBN 0-7619-2408-6. LC 2002015938.

Gr 9 Up-According to the preface, work on this exhaustive reference was begun a year before the September 11th attacks. The broad focus is on terror incidents both past and present, which are defined by three factors: "method... target... and the purpose." Kushner has gathered the type of information for which teen researchers are clamoring: biographies of key individuals, the histories of various terrorist groups both foreign and domestic, and a full discussion of specific incidents. Some of the latter may be difficult to find; for example, the siege at the Branch Davidian complex is found under "Waco"; there is a see reference from "David Koresh," but not from "Branch Davidian." The search for information, however, is aided by a comprehensive index. There are few illustrations, all of them in black and white. A "Reader's Guide" at the front of the volume gives broad subject headings to follow. Appendixes include maps that pinpoint terrorist incidents, a good list of Web sites, a valuable chronology of attacks in the U.S. and on U.S. interests abroad, and a lengthy bibliography. This work is ideal for libraries looking for a one-volume reference on this timely topic.-Elizabeth M. Reardon, Mc-Callie School, Chattanooga, TN

**LANGLEY**, Andrew. *First Fun Atlas*. 48p. charts. diags. maps. photos. index. ISBN 1-59084-556-0.

LEANEY, Cindy. First Fun Dictionary. 127p. diags. map. photos. ISBN 1-59084-557-9.
——. First Fun Thesaurus. 96p. index. ISBN 1-59084-555-2.

WALKER, Janc. First Fun Encyclopedia. 128p. diags. maps. photos. index. ISBN 1-59084-558-7.

WARD, Brian. First Fun Science Encyclopedia. 96p. diags. photos. index. ISBN 1-59084-554-4.

ea vol: (First Fun Reference Library Series).

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