James Dewar Encyclopedia Article

James Dewar

The following sections of this BookRags Literature Study Guide is offprint from Gale's For Students Series: Presenting Analysis, Context, and Criticism on Commonly Studied Works: Introduction, Author Biography, Plot Summary, Characters, Themes, Style, Historical Context, Critical Overview, Criticism and Critical Essays, Media Adaptations, Topics for Further Study, Compare & Contrast, What Do I Read Next?, For Further Study, and Sources.

(c)1998-2002; (c)2002 by Gale. Gale is an imprint of The Gale Group, Inc., a division of Thomson Learning, Inc. Gale and Design and Thomson Learning are trademarks used herein under license.

The following sections, if they exist, are offprint from Beacham's Encyclopedia of Popular Fiction: "Social Concerns", "Thematic Overview", "Techniques", "Literary Precedents", "Key Questions", "Related Titles", "Adaptations", "Related Web Sites". (c)1994-2005, by Walton Beacham.

The following sections, if they exist, are offprint from Beacham's Guide to Literature for Young Adults: "About the Author", "Overview", "Setting", "Literary Qualities", "Social Sensitivity", "Topics for Discussion", "Ideas for Reports and Papers". (c)1994-2005, by Walton Beacham.

All other sections in this Literature Study Guide are owned and copyrighted by BookRags, Inc.

Contents

James Dewar Encyclopedia Article.....1

Contents.....2

James Dewar.....3

James Dewar

1842-1923

Scottish chemist and physicist known for having invented a double-walled, glass container that keeps hot liquids hot and cold liquids cold. The Dewar flask (or thermos bottle) slows the flow of heat in two ways: maintaining a vacuum between the walls prevents the conduction of heat; mirroring the glass on the vacuum side of the walls slows the radiation of heat. For Dewar, the flask provided a convenient tool for studying cold, liquefied gases. Dewar was the first to liquefy hydrogen and the first to maintain liquid oxygen long enough to discover its magnetic properties.