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the instructor and students inquiry gives students the problem detailed background and experimental procedures and outlines the data analysis the majority of chemistry experiments currently in use involve structured inquiry while there is not a clear consensus in science education literature about exactly what inquiry based learning entails there is a general agreement that inquiry is composed of three distinct practices the practices of scientific research student learning through investigation of natural phenomena and a pedagogical approach that teachers may about this book this book offers an insight into the research and practices of science teaching and learning in the singapore classroom with particular attention paid to how they map on to science as inquiry the community of inquiry coi model based on a constructivist approach to learning posits that the student learning experience is influenced by three presences garrison and vaughan 2008 1 cognitive presence the extent to which the participants in any particular configuration of a community of inquiry can construct meaning through

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