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math physics and chemistry from the development of smaller faster computer chips to innovations in recycling treating disease cleaning water and generating energy the processes and products that chemical engineers have helped create touch every aspect of our lives we engineer solutions for some of the most hazardous substances at some of the busiest and space constrained operating sites we have been providing high quality advice and project delivery to the chemical sector for over 50 years 1 earn your bachelor s degree chemical engineers typically start their career path by earning a bachelor s degree you can enter your career after completing your undergraduate degree but many employers prefer chemical engineers to hold a graduate level degree chemical engineers apply the principles of chemistry to solve problems involving the production or use of chemicals and biochemicals they design equipment and processes for large scale chemical manufacturing as well as plan and test methods of manufacturing products and treating byproducts and supervise production 1 systems thinking chemical engineering makes its professional contribution by understanding how whole systems work and generating engineered system solutions to meet desired targets our resource for chemical reaction engineering includes answers to chapter exercises as well as detailed information to walk you through the process step by step with expert solutions for thousands of practice problems you can take the guesswork out of studying and move forward with confidence learn how chemical engineers can innovate and solve problems with effective strategies for groundbreaking solutions the global home of chemical engineers with more than 60 000 members from more than 110 countries aiche has the breadth of resources and expertise you need whether you are in core process

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