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focuses on the  
behaviour of bodies  
under the influence of  
forces. Bodies consist  
of materials with  
defined characteristics.

These materials can  
occur in three states of  
aggregation: solid,  
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understanding the fluid dynamics of pumping machinery. This chapter aims to provide a quick revision of the definitions and basic laws of fluid dynamics that are important for a thorough understanding of the material presented in this book. Of particular interest are the kinematics of fluid flow; the three conser-

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