

END-OF-CHAPTER TEST

Chapter 1: Kinetic particle model and heat flow

- 1 Explain the kinetic particle model in an ideal gas. What assumption does not work in reality?
- 2 Define 'kinetic energy' and 'potential energy' and explain how they are related.
- 3 Explain, at the particle level, what happens as liquid nitrogen changes phase from a liquid to a gas.
- 4 Explain what the 'internal energy of a system' means.
- 5 Explain what the term 'heat' means.