

1. What is a key difference between a molecular dynamics simulation and the ideal gas model?
2. What three physical variables are kept constant in an MD simulation?
3. Explain if or how randomness enters into an MD simulation.
4. Are Newton's laws applicable to the description of atom-atom collisions?
5. Is the Lennard-Jones potential attractive or repulsive?
6. Is an MD simulation useful for non equilibrium processes?
7. What is the purpose of periodic boundary conditions?