



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 10-12 COURSE NAME: Chemistry
MEASUREMENT TOPIC: Analyze and Interpret Data of Atomic and Molecular Interactions

4	In addition to Score 3, the student makes in-depth inferences and applications.
3	The student can: <ul style="list-style-type: none">• Analyze and interpret data to compare the formation of intramolecular and intermolecular forces.• Plan and carry out an investigation to identify physical and chemical properties of compounds
2	The student can: <ul style="list-style-type: none">• Use data to identify the physical and chemical properties of compounds• Apply the mole concept to quantify common chemical compounds• Derive the name and formulas of chemical compounds
1	With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.

Key Vocabulary: Intermolecular Forces, Polarizability, London Dispersion Forces, Dipole-Induced Dipole Forces, Dipole-Dipole Forces, Hydrogen Bonding Forces, Toxicity, Lattice Enthalpy