



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 10-12 COURSE NAME: Chemistry
MEASUREMENT TOPIC: Construct Explanations Using Periodic Trends

4	In addition to Score 3, the student makes in-depth inferences and applications.
3	The student can: <ul style="list-style-type: none">• Use evidence of chemical and physical properties to construct explanations using periodic trends• Compare properties of elements, using evidence from periodic trends.
2	The student can: <ul style="list-style-type: none">• Interpret data from the periodic table to predict periodic trends• Use the periodic table to determine an element's physical and chemical properties• Analyze and Interpret data to describe an element
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: Isotope, Average atomic mass, Mass Spectroscopy, orbital notation, Photoemission spectroscopy (PES), Atomic radius, Ionization energy, Electronegativity