



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 11/12 COURSE NAME: AP Chemistry
MEASUREMENT TOPIC: Compare IMF's and Properties of Chemicals

4

In addition to Score 3, the student makes in-depth inferences and applications.

- Explain the connection between particulate level and macroscopic properties using models and representations

3

The student can:

- **Compare the IMF's of chemicals to explain physical properties.**
- **Use chemical properties to support claims of IMF's.**

2

The student can:

- **Explain the physical properties of substances with IMF's.**
- **Determine IMF's present between molecules.**
- **Explain chemical properties when given models & representations.**
- **Describe chemical transformations of matter using data.**

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 (IMF's), Kinetic Molecular Theory, Ideal Gas Law, Chromatography, Solubility, Electromagnetic Spectrum, Beer-Lambert Law