

# Does Your Assessment Program Drive Student Improvement?



“ Intel-Assess has helped us improve both our teaching prior to administering our assessments and our intervention efforts after the assessment. ”

—David Horton, Ed.D.,  
Hemet Unified School District

Rationale: 2nd Quarter Benchmark: Chemistry	
<p><b>Question #4</b></p> <p>Which of the following molecules will have the strongest ionic bond?</p> <p>A. <math>\text{BF}_3</math>            B. <math>\text{HCl}</math>            C. <math>\text{CaBr}_2</math>            D. <math>\text{CO}_2</math></p>	<p><b>Standard</b>: SCI.9-12.CB.2.g</p> <p><b>Bloom's Taxonomy</b>: Application</p> <p>Students know how electronegativity and ionization energy relate to bond formation.</p> <p><b>Answer Choice Rationales</b></p> <p>A. The high number of atoms does not increase the likelihood of ionic bonding. The difference in electronegativity, or between period table columns, is most important.</p> <p>B. <b>Correct</b></p> <p>C. The lower row of calcium and bromine does not increase the likelihood of ionic bonding. The difference in electronegativity, or between period table columns, is most important.</p> <p>D. Atoms that are close in electronegativity, and therefore close in columns of the period table, will most likely form covalent bonds.</p> <p><b>Distractor Rationales</b></p>
<p><b>Question #5</b></p> <p>Based on its Lewis dot structure, hydrogen would bond with which of the following to form a tetrahedral shape?</p> <p>A. fluorine</p>	<p><b>Standard</b>: SCI.9-12.CB.2.f</p> <p><b>Bloom's Taxonomy</b>: Analysis</p> <p>Students know how to predict the shape of simple molecules and their polarity from Lewis dot structures.</p> <p><b>Answer Choice Rationales</b></p> <p>A. Fluorine bonds with 1 hydrogen, which would form a linear</p>

## Professionally Developed Items

- Written to California standards—not just aligned to them
- Written to the style and rigor specified by the California DOE
- Distributed across Bloom's Taxonomy
- Written to reflect common student errors—all items include distractor rationales to guide intervention

## Comprehensive Coverage

- Grades 2-12 in reading/ELA, math, science and history/social studies
- All secondary content areas
- Items include multiple choice, constructed response and writing prompts
- Coverage of standards based on California's Frameworks and Blueprints

**Intel-Assess**  
Helping Implement a Successful  
Assessment Program

**PLAN**

- Define Assessment Goals
- Create Action Plan

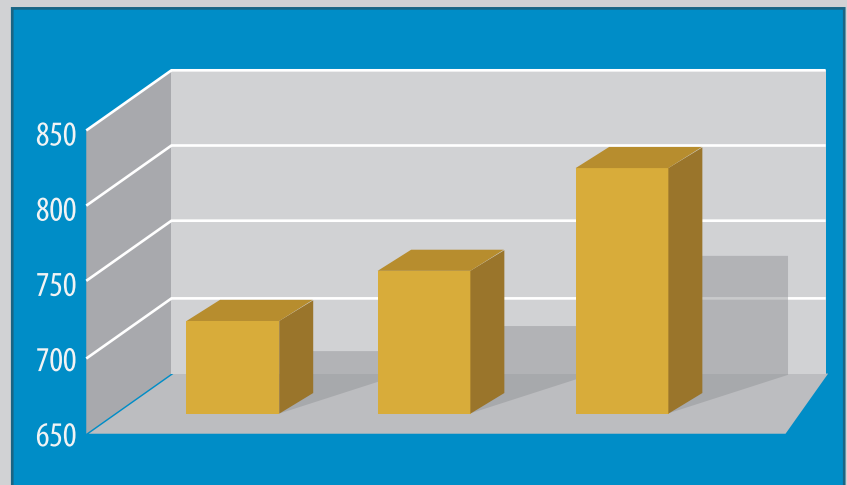
**BUILD**

- Create Assessment Blueprints
- Build Assessments

**ACT**

- Action Agendas for PLC's and Data Teams
- Inform Student Instruction

**API Score**



- Create your own assessments with our easy-to-use test generator OR have Intel-Assess build your tests for you
- Focus your resources by having Intel-Assess print and distribute your assessments
- Use Intel-Assessments with any scanning and scoring platform

“Our relationship with Intel-Assess has resulted in an improved assessment system for our district.”

— Kim Crissey, West Covina Unified School District