

Your Name: Holden Rohrer

Course: FVS Chemistry AB 19.3

Teacher: Kerr

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Question: Based on a substance's properties, how can you determine whether its bonds are ionic or covalent?

Claim: If a substance is solid at room temperature, has a crystalline structure, dissolves easily in water, and conducts electricity well, then it likely contains ionic bonds. Otherwise, it likely contains covalent bonds.

Evidence:

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Lab Results

Metal ion in Unknown Solution #1: Lithium

Metal ion in Unknown Solution #2: Cesium

Justification (Reasoning) of the Evidence:

This makes sense