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**Student Activity- Growing Crystals**

**Learning Objective SAP-3.D** Represent a metallic solid and/or alloy using a model to show

essential characteristics of the structure and interactions present in the substance.

**TRA-2.A** Identify a reaction as acid-base, oxidation-reduction, or precipitation.

**TRA-2.C** Represent a balanced redox reaction equation using

**Science Practice 1.B** Describe the components of and quantitative information from models and representations that illustrate both particulate-level and macroscopic-level properties.

**5.E** Determine a balanced chemical equation for a given chemical phenomena. **4.C** Explain the connection between particulate-level and macroscopic properties of a substance using models and representations.

**QUESTION:** How do metal crystals grow from a seeded solution?

Write up procedure for this lab activity as written in your lab manual, but use past tense.

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Write out the net ionic equation for the reaction the happened in your vial.

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What type of reaction is this?

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Explain how the reaction occurred.

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What are the silvery branches made of and how do you know?

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