

# Growing Rock Student Worksheet

## Part 1. Chemical Tests of Reactants

### Solubility Test Observations

Chalk in Water

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Chalk in Vinegar

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### Flame Test Observations

Chalk

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Lithium Chloride

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## Part 3. Chemical Tests of Product

### Solubility Test Observations

Product Crystals in Water

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Product Crystals in Vinegar

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### Flame Test Observations

Product Crystals

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## Conclusions

1. From the flame test, what can be said about the chalk and the product crystal?
2. Do the solid reactant and product have the same solubility properties? What can be concluded about the chalk compared to the final crystal?