**JIGSAW Key Patterns Example Answers ​​**

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| **Salt** | |
| **Station 1** | As **concentration** increased … *the salt would stop dissolving if there was too much salt in the cup. The salt with 25 grams would not dissolve.* |
| **Station 2** | As **surface area** increased … *the smaller particles dissolved much faster.* |
| **Station 3** | As **temperature** increased … *the hotter water helped the salt dissolve a little, but again if there was too much salt it would not dissolve.* |
| **Station 4** | As **agitation** increased … *the more you stir the more salt dissolves faster, but if there was too much it would just settle at the bottom.* |

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| **Sugar** | |
| **Station 1** | As **concentration** increased … *the more sugar the harder you had to stir it to get it to dissolve.* |
| **Station 2** | As **surface area** increased … *the smaller sugar bits dissolved faster.* |
| **Station 3** | As **temperature** increased … *the hotter the water the easier the sugar dissolved.* |
| **Station 4** | As **agitation** increased … *the more you stir the sugar the more sugar gets dissolved.* |

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| **Pepper** | |
| **Station 1** | As **concentration** increased … *it was really hard to do this because the pepper just soaked up the water but never dissolved. Some of the water did turn brown though.* |
| **Station 2** | As **surface area** increased … *it did not matter what size the pepper was, it never fully disappeared into the water.* |
| **Station 3** | As **temperature** increased … *it did not matter what the temperature was, the pepper never disappeared into the water (dissolved) but the water turned brown.* |
| **Station 4** | As **agitation** increased … *stirring it just made the pepper absorb more water, but it never dissolved.* |