

Name:

Date:

Class:

JIGSAW Key Patterns **Example Answers**

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

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

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Pepper	
Station 1	As concentration increased ... <i>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.</i>
Station 2	As surface area increased ... <i>it did not matter what size the pepper was, it never fully disappeared into the water.</i>
Station 3	As temperature increased ... <i>it did not matter what the temperature was, the pepper never disappeared into the water (dissolved) but the water turned brown.</i>
Station 4	As agitation increased ... <i>stirring it just made the pepper absorb more water, but it never dissolved.</i>