| <u>Evidence</u> | <u>Reasoning</u> |
|--|---|
| What did we learn from our book | What did we see in the experiment |
| First, when pressure is applied to earth's surface, the plates collide breaking up the surface of the rock. | The cup puts pressure onto the rice krispies, which causes them to break into smaller pieces. |
| First, heat from the mantle can change any rock into a metamorphic rock. | We saw the marshmallows and the chocolate chips melt together because of the heat from the hot plate. |
| First, sediment is carried from its original position by the process of erosion. Then pressure combines the sediments into a new rock. | Once the rice krispies are added to the mixture, the pressure from the spoon mixes all the ingredients together into a new mixture. |
| First, pressure changes rock into metamorphic rock. | We crushed the rice krispies with pressure from our cups. |
| First, we learned that it takes millions of years to make a metamorphic rock inside the earth. | Our lab only took 20 minutes to complete. This is quite a difference in time! |
| First, the pockets of magma add heat to rock which turns it into metamorphic rock. | We melted the marshmallows into a pot heated by a hot plate. The marshmallows turned into a liquid substance. |