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| **Task** | **Description** | **Property** | **Observations** | **Conclusions – which had more IMFs and which had fewer IMFs? Why do you think this?** |
| **#1**  Hot Plate Round 1 | Put a few drops of water on the hot plate. Put the same number of drops of alcohol on the hot plate. Turn the hot plate on and see which disappears first. |  |  |  |
| **#2** Pennies | Count how many drops of water you can get on a penny. Count how many drops of oil you can get on a penny. |  |  |  |
| **#3** Color Mixing | Small beaker #1: water and one drop of food coloring  Small beaker #2: alcohol.  Small beaker #3: oil .  1st – pour #1 into #2  2nd – Refill #1  3rd – pour #1 into #3  4th – clean all beakers |  |  |  |
| **#4**  Cookie Sheet Race | Put cookie sheet flat. Put a quarter size amount of honey on the starting line, and a quarter size amount of oil on the starting line. Tip the cookie sheet to see which substance wins the race |  |  |  |
| **#5** Hot Plate Round 2 | Put a piece of wax on the hot plate and a scoop of salt on the hot plate. Turn the hot plate on and see which melts. |  |  |  |
| **Argument from Evidence**: write an argument from evidence that explains what happens to the effects on the properties as IMFs change | | | | |
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Effects on Various Properties Due to IMFs