**Table 1: Physical and Chemical Properties of Known Substances**

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| --- | --- | --- | --- | --- | --- |
| **Known Substance** | **Physical Properties** | **Reaction with water** | **Reaction with Vinegar** | **Reaction Iodine** | **Reaction with Phenolphthalein** |
| **sodium bicarbonate** |  |  |  |  |  |
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| **baking powder** |  |  |  |  |  |
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| **Icing sugar** |  |  |  |  |  |
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| **cornstarch** |  |  |  |  |  |
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| **sodium chloride** |  |  |  |  |  |
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| **baby powder** |  |  |  |  |  |
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**Table 2: Physical and Chemical Properties of the Unknown Substance**

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| --- | --- | --- | --- | --- | --- |
| **Unknown Substance** | **Physical Properties** | **Reaction with water** | **Reaction with Vinegar** | **Reaction Iodine** | **Reaction with Phenolphthalein** |
| **Sample # \_\_\_\_\_\_** |  |  |  |  |  |
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