Chemistry Name

Common chemicals Partner

1 House hold liquids

*Find the chemical name and formula for each. Then tell how many of each element are present.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Substance** | **Chemical name** | **Chemical formula** | **Elements present** |
| Water |  |  |  |
| Ammonia |  |  |  |
| Hydrogen peroxide |  |  |  |
| Vinegar |  |  |  |
| Nail polish remover |  |  |  |

2 Sugars

*Identify each sugar best known for the following:*

|  |  |  |
| --- | --- | --- |
| **Solution or process** | **Sugar** | **Molecular formula** |
| Fruit juices and soft drinks |  |  |
| Milk |  |  |
| Energy source in respiration |  |  |

3 Sugar substitutes

*Find the trade name for each chemical sweetener. List any negative results of using these. Than list at least one common food/drink it is found in.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Sweetener** | **Trade name** | **Found in...** | **Side effects** |
| Sucralose |  |  |  |
| Aspartame |  |  |  |
| Saccharine |  |  |  |
| Stevia |  |  |  |

4 Household solids

*Write the systematic name and chemical formula for each.*

|  |  |  |
| --- | --- | --- |
| **Substance** | **Systematic chemical name** | **Formula** |
| Table salt |  |  |
| Table sugar |  |  |
| Baking soda |  |  |

5 Common metallic substances

*Write the systematic name for each, and where it is found.*

|  |  |  |
| --- | --- | --- |
| **Substance** | **Chemical name** | **Chemical formula** |
| Rust |  |  |
| Fool's gold |  |  |

6 Other common solids

*Write the systematic name and formula for each solid.*

|  |  |  |
| --- | --- | --- |
| **Substance** | **Chemical name** | **Chemical formula** |
| Chalk |  |  |
| Gypsum |  |  |
| Quartz |  |  |
| Epson salts |  |  |

7 Elemental substances

*Identify the elemental substance. Then explain the name.*

|  |  |  |
| --- | --- | --- |
| **Substance** | **Element name** | **Where does the name come from?** |
| Diamond |  |  |
| Quicksilver |  |  |
| Brimstone |  |  |
| Pencil lead |  |  |
| Ozone |  |  |

8 Alcohols

*Write the chemical formula for each alcohol. Then give its common name.*

|  |  |  |
| --- | --- | --- |
| **Chemical formula** | **Chemical name** | **Common name** |
|  | Isopropyl alcohol |  |
|  | Ethanol |  |
|  | Methanol |  |

9 What one other common chemical you know of? Look up its chemical name and formula. Then say its use.

|  |  |  |  |
| --- | --- | --- | --- |
| **Common name** | **Chemical name** | **Chemical formula** | **Uses** |
|  |  |  |  |