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| **Mixture** |
| pizza |
| salad |
| muddy water |
| chocolate milk |
| salt water |
| milk |
| cannot be represented by a chemical formula |
| there is not just 1 way to make it (has a variable composition) |
| cannot be represented by a chemical formula |
| suspension, colloid, or solution |
| homogeneous or heterogeneous |
| more than one substance mixed together |
| can be physically separated (filtration, melting, distillation, for example) |
| a human |
| air |
| is a form of matter |
| brass |
|  |
| **Pure substance** |
| nitric acid |
| copper |
| gold |
| sulfuric acid |
| rust (iron (III) oxide) |
| sodium chloride |
| glucose |
| helium |
| table sugar (sucrose) |
| can be represented by a chemical formula |
| has a definite composition (there is just 1 recipe that works!) |
| can be represented by a chemical formula |
| element or compound |
| one substance throughout |
| cannot be separated physically |
| one type of atom or molecule throughout |
| is a form of matter |
|  |