**PROPERTIES OF MATTER**

1. What is a **physical property**?
2. What is a **chemical property**?

Complete the following table:

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| **Statement** | **Property Being Described** | **Physical or Chemical?** |
| 1. The teaspoon of sugar dissolves in a cup of tea. |  |  |
| 2. Clear, colourless bubbles evolved when the calcium was added to water. |  |  |
| 3. The cardboard is opaque. |  |  |
| 4. Mercury is a liquid at room temperature. |  |  |
| 5. The car bumper is shiny. |  |  |
| 6. The light bulb turned on when it was touched to the lump of silicon. |  |  |
| 7. The wood block floated in the tub of water. |  |  |
| 8. The magnesium reacted with the hydrochloric acid. |  |  |
| 9. The syrup poured slowly. |  |  |
| 10. The stone was smooth. |  |  |
| 11. The copper was rolled into sheets to make roofing panels. |  |  |
| 12. Carbon dioxide and water were produced when the BBQ was ignited. |  |  |
| 13. The diamond scratched the glass. |  |  |
| 14. The sugar cube crumbled. |  |  |

4. Match the words in the first column to the best available answer in the second column.

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| 1) an observation made with your senses  2) ability to be pounded into shapes  3) ability of a substance to react with oxygen  4) describes the behaviour as one substance becomes another  5) ability of an object to reflect light  6) anything that takes up space and has mass  7) the feel of a substance  8) an observation based on a measurement  9) the temperature when solids turn into liquids  10) solution of metals  11) how much space an object fills  12) has definite shape  13) always takes the shape of the container  14) the amount of matter per unit volume  15) ability of a substance to dissolve in a solvent  16) gas bubbles are produced during this test  17) measure the resistance in a solid  18) when solids form a regular pattern in their structure  19) how easily a liquid flows  20) able to be stretched into wires | \_\_\_\_\_\_\_ matter  \_\_\_\_\_\_\_quantitative  \_\_\_\_\_\_\_solid  \_\_\_\_\_\_\_combustibility  \_\_\_\_\_\_\_qualitative  \_\_\_\_\_\_\_malleable  \_\_\_\_\_\_\_ductility  \_\_\_\_\_\_\_hardness  \_\_\_\_\_\_\_volume  \_\_\_\_\_\_\_crystal form  \_\_\_\_\_\_\_melting point  \_\_\_\_\_\_\_solubility  \_\_\_\_\_\_\_liquid  \_\_\_\_\_\_\_lustre  \_\_\_\_\_\_\_texture  \_\_\_\_\_\_\_taste  \_\_\_\_\_\_\_density  \_\_\_\_\_\_\_reaction with acid  \_\_\_\_\_\_\_alloy  \_\_\_\_\_\_\_chemical properties |