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Activity 16 Analysis

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| **Substance** | **Chemical Formula** | **Atoms That Make Up the Formula** |
| Water | H2O | 2 hydrogen atoms, 1 oxygen atom |
| Hydrogen Peroxide | H2O2 | 2 hydrogen atoms, 2 oxygen atoms |
| Carbon Dioxide | CO2 | 1 carbon atom, 2 oxygen atoms |
| Sucrose | C12H22O11 | 12 carbon atoms, 22 hydrogen atoms, 11 oxygen atoms |
| Alanine | C3H7O2N | 3 carbon atoms, 7 hydrogen atoms, 2 oxygen atoms, 1 nitrogen atom |
| Oleic Acid | C12H24O2 | 12 carbon atoms, 24 hydrogen atoms, 2 oxygen atoms |

2a) Table salt is a compound. A compound is a combination of two or more atoms. Table salt is made of sodium and chlorine, which is a total of two atoms. Therefore, table salt is a compound.

2b) Table salt is sugar-like. It’s white.