

Name _____

Elements Vs. Compounds

Short Answer Key

1. Elements are substances that cannot be broken down into simpler substances by chemical means.
2. Elements cannot be broken down further because they consist of only one type of atom, and there are no simpler substances to break them into.
3. An example of an element is gold (Au), known for its lustrous appearance and use in jewelry.
4. A compound is formed when two or more different elements chemically combine. An example is carbon dioxide (CO₂), composed of carbon and oxygen atoms.
5. Compounds often exhibit properties different from those of their constituent elements because the atoms in compounds are chemically bonded, leading to unique chemical behaviors and characteristics.

