

Elements, Compounds, and Mixtures

An **element** consists of only one kind of atom. A **compound** consists of two or more different elements chemically combined in a fixed ratio. A **mixture** can have components in any proportion, and those components are not chemically bound.

Classify each item as an element (*E*), compound (*C*), or mixture (*M*).

1. sodium _____
2. water _____
3. soil _____
4. coffee _____
5. oxygen _____
6. alcohol _____
7. carbon dioxide _____
8. cake batter _____
9. air _____
10. soap _____
11. iron _____
12. salt water _____
13. ice cream _____
14. nitrogen _____
15. eggs _____
16. blood _____
17. table salt _____
18. nail polish _____
19. milk _____
20. cola _____

