

Elements, Compounds & Mixtures Worksheet

Please list the following information on elements, compounds and mixtures. This is the first section to answer.

Elements:

- It goes substances containing only one kind of _____.
- The element is always uniform all the way through (homogeneous).
- The element _____ be separated into simpler materials through chemical reactions.
- Only 100 existing elements are listed and classified on the _____.

Compounds:

- It goes substances containing two or more kinds of _____.
- The atoms are _____ combined in some way. Other atoms that are different from one another are these groups of atoms called molecules.
- A compound is always homogeneous (constant).
- Compounds _____ be separated by physical means. Separating a compound requires a chemical reaction.
- The proportion of components are usually different than the proportion of the elements it contains.

Mixtures:

- Present same _____, but _____ are not chemically combined.
- No new kind between substances.
- Substances can be separated by _____.
- Substances alter the properties (constant).
- Substances can be separated into their components by chemical or physical means.
- The proportion of substances are similar to the proportion of its components.

Please list briefly each of the following as elements, or a compound, or a mixture (E), or None (N) if it is none of these.

—Diamond (E)	—Sugar (E)	—Steel	—Iron (E)
—Air	—Baking Soda (E)	—Plastic	—Benzene (E)
—Beggar (N)	—Benzene (E)	—Copper (E)	—Platinum
—Water (E)	—Acetone (E)	—Lead (E)	—Alloy