

Pure and Impure Substances Answers

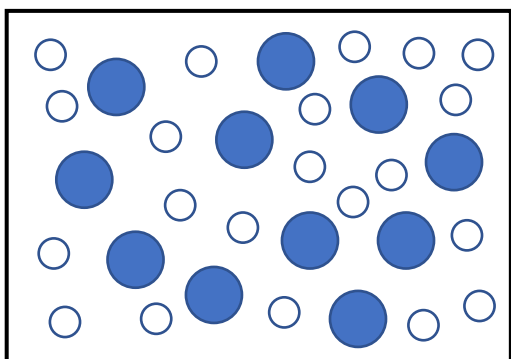
1) What is a chemically pure substance?

A substance that contains only one element or compound.

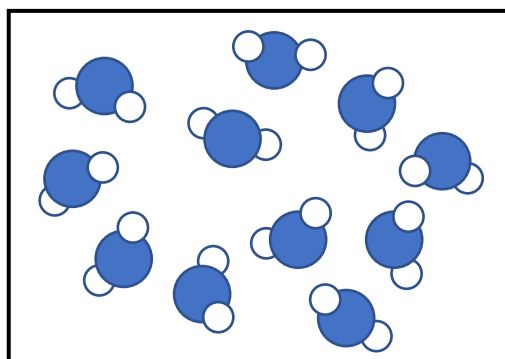
2) Which of the following are chemically pure or impure substances?

- | | |
|-----------------------|---|
| a. Pure mineral water | <i>Not pure because it has minerals</i> |
| b. Pure water | <i>Pure substance</i> |
| c. Pure gold | <i>Pure substance</i> |
| d. Pure orange juice | <i>Orange juice itself isn't pure.</i> |
| e. Rusty iron | <i>Rust is added oxygen so impure.</i> |

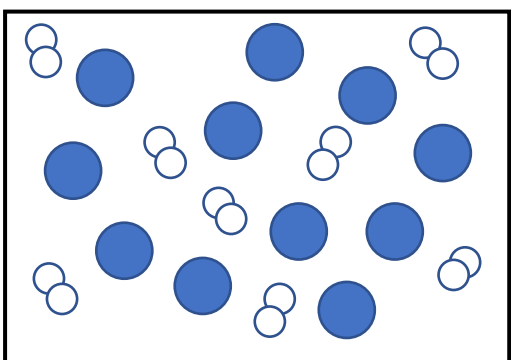
3) Which diagrams show chemically pure substances?



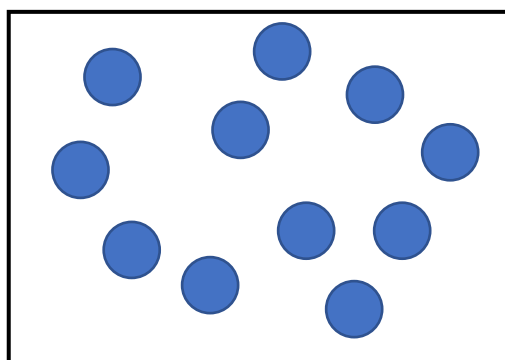
Two elements so impure



One compound so pure



An element and a compound so impure



One element so impure

4) It is easier to separate mixtures than compounds? True or false.

True because they are not chemically bonded.