

# Lesson 15: Classification of Matter

Chemistry with Lab

## Types of Matter

**Element** – \_\_\_\_\_ substance

- \_\_\_\_\_ kind of \_\_\_\_\_
- represented by \_\_\_\_\_ or \_\_\_\_\_ letter  
symbol
- example: \_\_\_\_\_ (\_\_\_\_\_)

**Compound** – \_\_\_\_\_ or more \_\_\_\_\_ combined

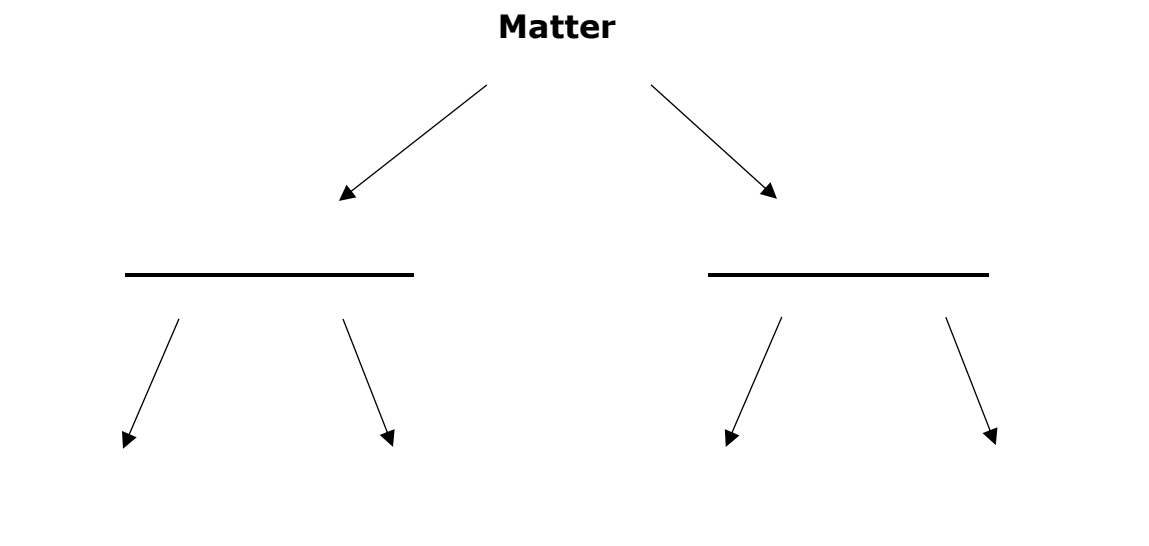
- represented by \_\_\_\_\_
- example: \_\_\_\_\_ (\_\_\_\_\_)
- $H_2O$  \_\_\_\_\_ into \_\_\_\_\_ and  
\_\_\_\_\_
- \_\_\_\_\_ in same \_\_\_\_\_

**Mixture** – \_\_\_\_\_ or more substances \_\_\_\_\_

- do not \_\_\_\_\_ in same \_\_\_\_\_
- heterogeneous mixture – not \_\_\_\_\_
- homogeneous mixture (solution) – \_\_\_\_\_
  - alloy – \_\_\_\_\_ of two or more \_\_\_\_\_
  - Pure \_\_\_\_\_ are \_\_\_\_\_

# Lesson 15: Classification of Matter (cont.)

Chemistry with Lab



E – element      S – homogeneous mixture/solution  
C – compound    HE – heterogeneous mixture

hydrogen peroxide \_\_\_\_\_

carbon \_\_\_\_\_

carbon dioxide \_\_\_\_\_

carbon monoxide \_\_\_\_\_

pizza \_\_\_\_\_

steel \_\_\_\_\_

salad dressing \_\_\_\_\_

calcium \_\_\_\_\_

rust \_\_\_\_\_

lead \_\_\_\_\_

apple juice \_\_\_\_\_

## **The Chemistry Quiz**

CR1. \_\_\_\_\_ CR2. \_\_\_\_\_ 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

4. \_\_\_\_\_ 5. \_\_\_\_\_

(From GAVL, creative commons 3.0 [<https://creativecommons.org/licenses/by/3.0/>], [https://cms.gavirtualschool.org/Shared/Science/Chemistry\\_SHARED\\_17/Chemistry\\_MatterandAtomicTheory\\_SHARED/Module\\_2\\_Classification\\_of\\_Matter\\_Note\\_Taking\\_Guide.pdf](https://cms.gavirtualschool.org/Shared/Science/Chemistry_SHARED_17/Chemistry_MatterandAtomicTheory_SHARED/Module_2_Classification_of_Matter_Note_Taking_Guide.pdf))