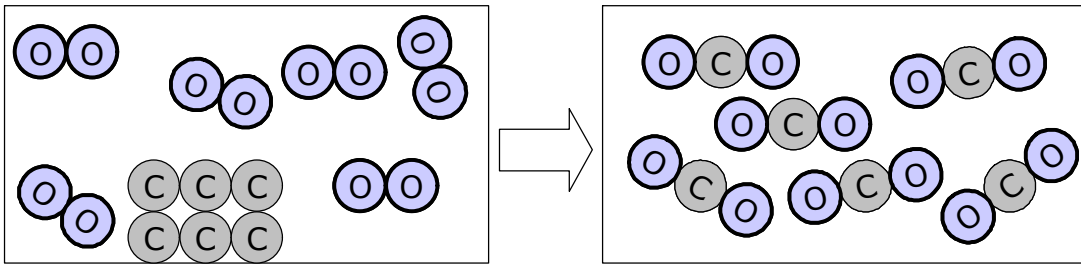


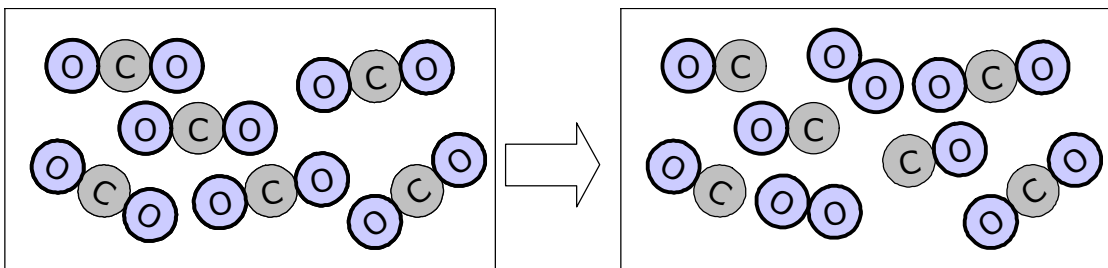
Classification of matter: answers



Left side: heterogeneous mixture ... $C(s) + O_2(g)$

Right side: pure substance, compound ... $CO_2(g)$

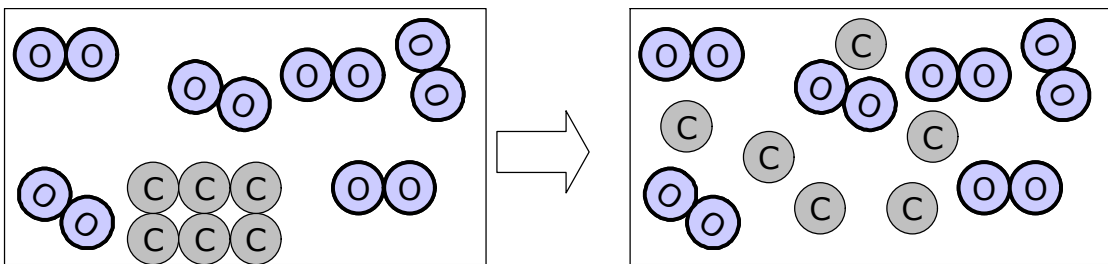
CHEMICAL CHANGE



Left side: pure substance, compound... $CO_2(g)$

Right side: homogeneous mixture ... $CO(g) + O_2(g) + CO_2(g)$

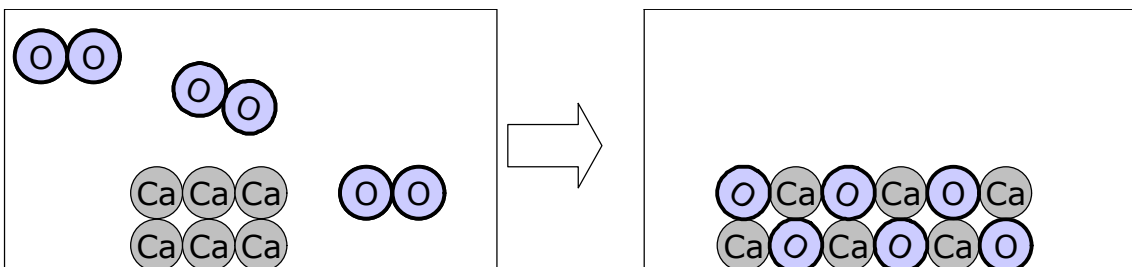
CHEMICAL CHANGE



Left side: heterogeneous mixture... $C(s) + O_2(g)$

Right side: homogeneous mixture... $C(g) + O_2(g)$

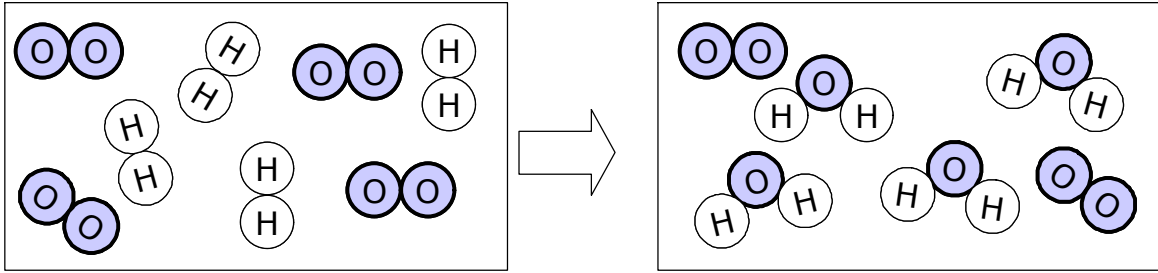
PHYSICAL CHANGE (SUBLIMATION)



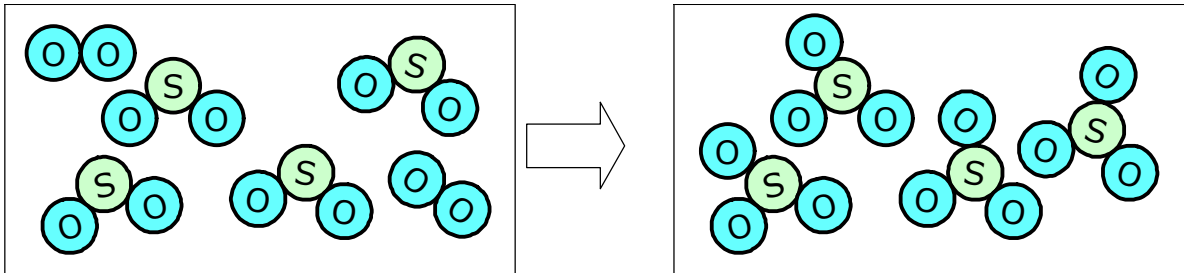
Left side: heterogeneous mixture... $Ca(s) + O_2(g)$

Right side: pure substance, compound... $CaO(s)$

CHEMICAL CHANGE



Left side: homogeneous mixture... $\text{H}_2(\text{g}) + \text{O}_2(\text{g})$
 Right side: homogeneous mixture... $\text{H}_2\text{O}(\text{g}) + \text{O}_2(\text{g})$
 CHEMICAL CHANGE



Left side: homogeneous mixture... $\text{SO}_2(\text{g}) + \text{O}_2(\text{g})$
 Right side: pure substance, compound... $\text{SO}_3(\text{g})$
 CHEMICAL CHANGE