Chem 1 Hour\_\_\_\_\_ Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Dr.Wexler  
Physical and Chemical Changes Practice  
Date:  
  
  
1. Which processes cause physical changes (P) and which cause chemical changes (C)?  
a. \_\_\_\_boil   
b. \_\_\_\_burn (combustion)   
c. \_\_\_\_condense   
d. \_\_\_\_corrode   
e. \_\_\_\_crumple   
f. \_\_\_\_ferment   
g. \_\_\_\_melt   
h. \_\_\_\_rust   
i. \_\_\_\_crush   
j. \_\_\_\_freeze   
k. \_\_\_\_oxidize   
l. \_\_\_\_tarnish   
m. \_\_\_\_explode   
n. \_\_\_\_grind   
o. \_\_\_\_rot   
p. \_\_\_\_vaporize   
q. \_\_\_\_photosynthesis   
r. \_\_\_\_sublimation

2. Label each process as a physical (P) or chemical (C) change:  
a. \_\_\_\_Moth balls gradually vaporize in a closet   
b. \_\_\_\_Hydrofluoric acid attacks glass (used to etch glassware)   
c. \_\_\_\_A chef making a sauce with brandy is able to burn off the alcohol from the brandy, leaving just the brandy flavoring   
d. \_\_\_\_Chlorine gas liquefies at -35 °C under normal pressure   
e. \_\_\_\_Hydrogen burns in chlorine gas

3. Label each process as a physical (P) or chemical (C) change:  
a. \_\_\_\_fogging a mirror with your breath   
b. \_\_\_\_breaking a bone   
c. \_\_\_\_mending a broken bone   
d. \_\_\_\_burning paper   
e. \_\_\_\_slicing potatoes for fries   
f. \_\_\_\_mixing sugar with coffee   
g. \_\_\_\_frying chicken   
h. \_\_\_\_a nail rusting   
i. \_\_\_\_paper ripping   
j. \_\_\_\_wood burning   
k. \_\_\_\_mixing water and food coloring   
l. \_\_\_\_food molding (rotting)   
m. \_\_\_\_writing on paper   
n. \_\_\_\_dyeing fabric