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