

Chem11 Physical and Chem. Reactions : W.S. - 140

Classify the following as a physical (P) or chemical reaction (C).

- 1) boiling water
- 2) baking bread
- 3) distillation of petroleum
- 4) burning gasoline
- 5) rusting of iron
- 6) digestion
- 7) grinding wheat into flour
- 8) a battery produces electricity
- 9) melting sulfur
- 10) dissolving fat in gasoline
- 11) ripening of fruit
- 12) dynamite explodes
- 13) sublimation
- 14) sugar dissolves in water
- 15) melting wax
- 16) cooking an egg
- 17) gas escaping from a can of pop that has just been opened
- 18) bubbles appear when zinc is put into an acid
- 19) a hot stove element changes color
- 20) gold can be pounded into thin sheets (it's malleable)
- 21) litmus paper turns from red to blue when put in a base
- 22) hitting a nail with a hammer
- 23) heating of glass
- 24) salt dissolving in water

Answers : 1) P, 2) C, 3) P, 4) C, 5) C, 6) C, 7) P, 8) C, 9) P, 10) P, 11) C, 12) C, 13) P, 14) P, 15) P, 16) C, 17) P, 18) C, 19) P, 20) P, 21) C, 22) P. 23) P, 24) P.