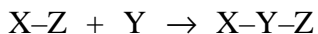
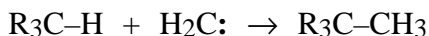


## insertion

1. A *chemical reaction* or *transformation* of the general type:



in which the connecting atom or group Y replaces the bond joining the parts X and Z of the reactant XZ. An example is the carbene insertion reaction:



The reverse of an insertion is called an *extrusion*.

See also  *$\alpha$ -addition*.

1994, 66, 1125

2. A general term given to a reaction involving the transfer of a guest atom, ion or molecule into a host crystal lattice.

See *intercalation reaction*, *topochemical reaction*, *topotactic reaction*.

1994, 66, 583