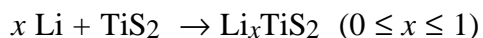


intercalation reaction

A reaction, generally reversible, that involves the introduction of a guest species into a host structure without a major structural modification of the host. In the strictest sense, intercalation refers to the insertion of a guest into a two-dimensional host; however, the term also now commonly refers to one-dimensional and three-dimensional host structures.

Example:

The insertion of lithium into layered TiS_2 :



Synonymous with *insertion* reaction.

1994, 66, 583; R.B. 79