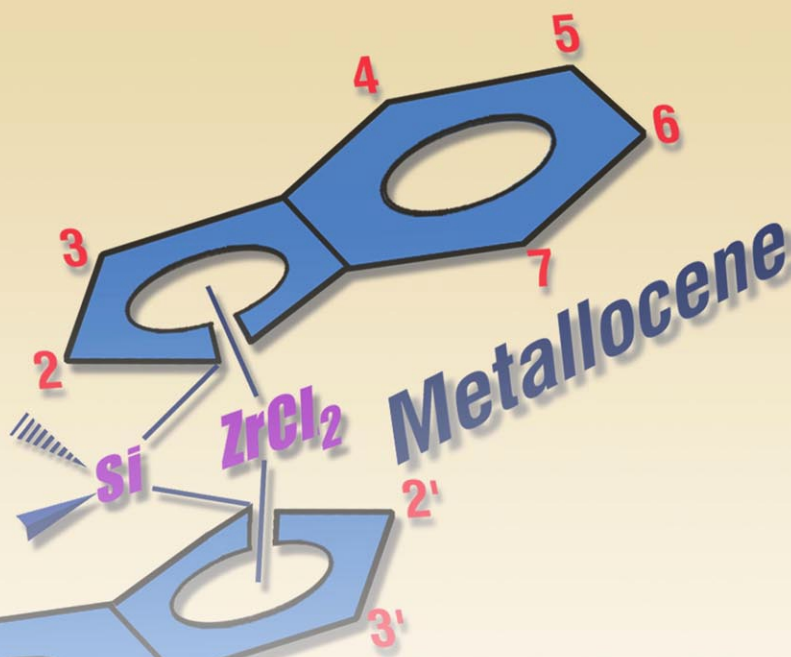


Sasol will have significant competitive advantages.  
Its feed stock costs are lower than those of competitors.

## Alpha olefins for the world



## 5th Decade: 1989 - 1999

**1990's:** Fischer-Tropsch as a source of alpha-olefins.

26

**1990's:** Combinatorial approaches to catalyst screening and new catalyst discovery (e.g., K. D. Shimizu et al., Chem. Eur. J., 4, 1885 (1998)).

27

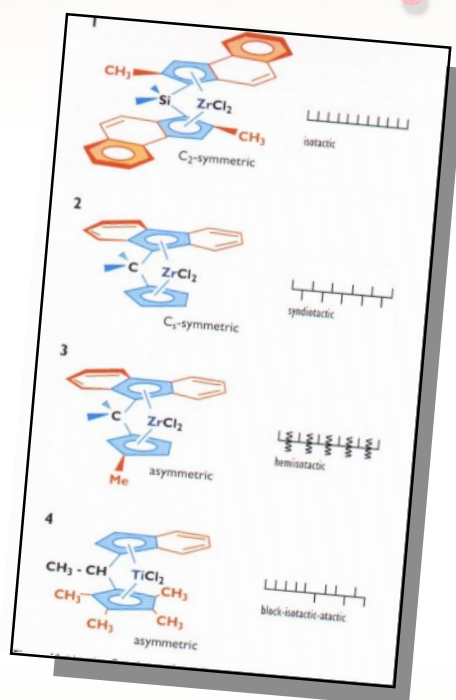
**1990's:** Selective oxidation of benzene to phenol using (Fe) ZSM-5 catalysts.

**1992:** Commercial use of non-iron catalyst for ammonia synthesis.

28

**1992:** Synthesis of MCM-41, the first uniformly structured mesoporous aluminosilicate, announced by Mobil Oil (J. S. Beck, et al., JACS, 114, 10834 (1992)).

**1994:** Topics in Catalysis begins publication with Gabor Somorjai and Sir John Thomas as Co-Editors.



Combinatorial approaches to catalyst screening and new catalyst discovery

27

28

Commercial use of non-iron catalyst for ammonia synthesis.

