

KE-40.4140 Environmental catalysis

9.3.2010

Exam 26.2.2010

1. Catalysts have several important effects on chemical processes. Which of these effects can be derived directly from the definition of catalyst?
2. Role of catalysis in the Green Chemistry.
3. Exhaust gas catalysts?
4. Explain shortly (reactions, catalysts, conditions, etc.)
  - i. Steam reforming
  - ii. Autothermal reforming
  - iii. Partial oxidation
  - iv. Dry reforming
5. Give examples of catalytic processes (catalysts and process conditions) used to produce environmentally friendly traffic fuel components including biocomponents.