

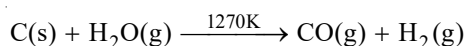
SOLUTIONS

Module - 3 / JEE-2022

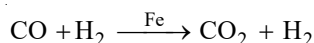
IN-CHAPTER EXERCISE	Chemistry	Hydrogen
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EXERCISE-A

1. Reaction of steam on coal at high temperatures in presence of catalyst yields hydrogen. This process is called as coal gasification.



Mixing this CO and H₂ gas mixture with steam, cooling to 400°C and passing over iron oxide gives CO₂ + H₂ which finally increases the amount of H₂.



The above reaction is also called as water gas shift reaction.

2. (i) BeH₂(covalent) < CaH₂ < TiH₂

