

Frequently asked questions Fuel Cell Technology
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Module 6: High temperature fuel cell

Module 6: Frequently asked questions:

Question no. 1 Discuss the hydrogen generation through electrolytic route.

Question no. 2. List the different techniques for hydrogen production.

Question no. 3. Discuss about steam reforming.

Question no. 4. What is auto-thermal reforming?

Question no. 5. Different technologies are available for the generation of hydrogen.
Which is the process in which you may get the purest form of hydrogen and why?

Question no. 6 Why the hydrogen storage is an important aspect when we discuss about fuel cell.?

Question no. 7. What are the issues with cryogenic liquid hydrogen storage?

Question no. 8. Discuss about the hydrogen in the form of chemical and metal hydride.

Question no. 9. Given the option of choosing a technique of hydrogen storage, which hydrogen storage option will you choose for your car (30kW) equipped with PEMFC.

Question no.10 Discuss pressure-composition isotherm of a metal hydride.

Question no. 11. What is the meaning of balance of plant with respect to fuel cell?

Question no. 12. What are the power conditioning and why it is necessary to have in fuel cell system?

Question no. 13. Qualitatively discuss about the BOP requirements for stationary and mobile application of fuel cell.

Question no. 14. Why DC-DC convertors are required in fuel cell system.