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NEET HYDROGEN — PREPARATION & PROPERTIES OF H2 — PYQS

Max. Marks: 20 **Questions:** 5

Section A (MCQ) — 5 questions

Q.1 Methane reacts with steam at 1273 K in the presence of nickel catalyst to form : [NEET (UG) 2026]

(1) CO and H_2 (2) CO and H_2O
(3) CO_2 and H_2 (4) CO_2 and H_2O

Scan or tap for the full solution

Q.2 Which of the following statements are NOT correct?

A. Hydrogen is used to reduce heavy metal oxides to metals.
B. Heavy water is used to study reaction mechanism.
C. Hydrogen is used to make saturated fats from oils.
D. The H–H bond dissociation enthalpy is lowest as compared to a single bond between two atoms of any element.
E. Hydrogen reduces oxides of metals that are more active than iron.

Choose the most appropriate answer from the options given below: [NEET (UG) 2023]

(1) B, D only (2) D, E only
(3) A, B, C only (4) B, C, D, E only

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Q.3 The element used for welding metals with high melting points is [NEET (UG) 2022 (Phase 2)]

(1) He (2) Cl_2 (3) H_2 (4) Ne

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Q.4 Which of the following statements about hydrogen is incorrect? [NEET 2016 (Phase 1)]

(1) Hydronium ion, H_3O^+ exists freely in solution.
(2) Dihydrogen does not act as a reducing agent.
(3) Hydrogen has three isotopes of which tritium is the most common.
(4) Hydrogen never acts as cation in ionic salts.

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Q.5 The life span of atomic hydrogen is [AIPMT 2000]

(1) fraction of one second
(2) one year
(3) one hour
(4) one day

Scan or tap for the full solution

ANSWER KEY

Ques.	1	2	3	4	5		
Ans.	1	2	3	2, 3	1		