

PYQSide

NEET HYDROGEN — PREPARATION & PROPERTIES OF H₂ — PYQS

Max. Marks: 20

Questions: 5

Section A (MCQ)

Q.1 Methane reacts with steam at 1273 K in the presence of nickel catalyst to form :

[NEET (UG) 2026]

- (1) CO and H₂ (2) CO and H₂O
(3) CO₂ and H₂ (4) CO₂ and H₂O

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

Scan or tap for the full solution



Q.3 The element used for welding metals with high melting points is

[NEET (UG) 2022 (Phase 2)]

- (1) He (2) Cl₂ (3) H₂ (4) Ne

Scan or tap for the full solution



Q.4 Which of the following statements about hydrogen is incorrect?

[NEET 2016 (Phase 1)]

- (1) Hydronium ion, H₃O⁺ 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.

Scan or tap for the full solution



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		