



CHEMISTRY

NCERT - FULL MARKS

CHEMISTRY(TAMIL)

F-BLOCK ELEMENTS

Self Evaluation A Choose The Correct Answer

1. What is lanthanide contraction and what are the effects of lanthanide contraction ?

- A. Zn and Y have about the same radius
- B. Zr and Nd have similar oxidation state
- C. Zr and Hf have about the same radius
- D. Zr and Zn have the same oxidation state

Answer:



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2. Discuss the position of lanthanides in the periodic table.

A. + 2

B. + 1

C. + 3

D. + 4

Answer:



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3. Narcotic drug like charas, bhang and ganja are extracted from

A. limonite

B. monazite

C. magnetite

D. cassiterite

Answer:



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4. The elements in which extra electrons enters into $(n-2)$ f-orbitals are called _____ elements

A. s block elements

B. p block elements

C. d block elements

D. f blocks elements

Answer:



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5. The lanthanide contraction is responsible for the fact that

- A. perfect shielding of 4f electron
- B. imperfect shielding of 4f electron
- C. perfect shielding of 3d electron
- D. imperfect shielding of 3d electron

Answer:



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6. Ceria is used in

- A. toys

B. tracer bullets

C. gas lamp material

D. none of the above

Answer:

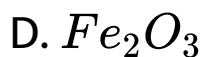
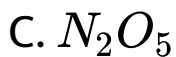


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7. _____ is used in gas lamp material

A. MnO_2

B. CeO_2



Answer:



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8. Alloys of Lanthanides are called as

A. Mish-metals

B. Metalloids

C. Plate metals

D. Actinides

Answer:



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9. Alloys of Lanthanides are called as

A. Aluminothermic process

B. Lanthanido-thermic process

C. Reduction process

D. Oxidation process

Answer:



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10. _____ form oxocations

A. Lanthanides

B. Actinides

C. Noble gases

D. Alkalimetals

Answer:



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11. The most common oxidation state of lanthanides is

A. +1

B. +2

C. +3

D. +4

Answer:



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Self Evaluation Answer In One Or Two Sentences

1. What are inner transition elements ?



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2. What are inner transition elements ?



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3. The most common oxidation state of lanthanides is



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4. What are misch metals? Give their uses.



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5. Write the uses of Lanthanides and Actinides.



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Self Evaluation Answer Not Exceeding 60 Words

1. Comparing $La(OH)_3$ and $Lu(OH)_3$, which is more basic and explain why?



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2. Discuss the position of lanthanides in the periodic table.



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