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ACADEMY**

PERIODIC TABLE PYQs (2014-2024)



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How many elements are there in the 5th period of modern periodic table ?

- (a) 2
- (b) 8
- (c) 18
- (d) 36



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Who among the following proposed that atom is indivisible ?

- (a) Dalton
- (b) Berzelius
- (c) Rutherford
- (d) Avogadro



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'Plum Pudding Model' for an atom was proposed by

- (a) Antoine Lavoisier
- (b) Robert Boyle
- (c) Ernest Rutherford
- (d) J. J. Thomson



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97. Symbol of element was introduced by

- (a)* John Dalton
- (b)* Antoine Lavoisier
- (c)* Jöns Jacob Berzelius
- (d)* Robert Boyle



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76. Rutherford's alpha particle scattering experiment on thin gold foil was responsible for the discovery of

- (a) electron
- (b) proton
- (c) atomic nucleus
- (d) neutron



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77. The correct order of atomic radius of Li, Na, Be and O is

(a) $\text{Na} > \text{Li} > \text{Be} > \text{O}$

(b) $\text{Na} > \text{Be} > \text{Li} > \text{O}$

(c) $\text{Be} > \text{Li} > \text{Na} > \text{O}$

(d) $\text{O} > \text{Be} > \text{Li} > \text{Na}$



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35. Which one of the following is the correct order of reactivity of Mg, Al, Zn and Fe with HCl?

- (a) $\text{Mg} > \text{Al} > \text{Zn} > \text{Fe}$
- (b) $\text{Mg} > \text{Al} > \text{Fe} > \text{Zn}$
- (c) $\text{Zn} > \text{Fe} > \text{Mg} > \text{Al}$
- (d) $\text{Fe} > \text{Al} > \text{Zn} > \text{Mg}$



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4. Which of the following characteristics is common to hydrogen, nitrogen, oxygen and carbon dioxide?

- (a) They are all diatomic.**
- (b) They are all gases at room temperature.**
- (c) They are all coloured.**
- (d) They all have same reactivity.**



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