
26. Alkali and alkaline earth metals impart colours when heated over burner. It is due to

- A. Smaller electronegativity of alkali metals B. Smaller ionic radius of these metals
- C. De-excitation of electrons from higher energy levels to low energy level D. Excitation of electrons from low energy levels to higher energy levels

Answer: Option c

27. Which one of the following alkali metals forms only normal oxide when it reacts with O₂?

- A. Lithium B. Sodium
- C. Potassium D. Rubidium

Answer: Option A

28. First ionization potential of alkaline earth metal is greater than alkali metals because

- A. They are more reactive B. They have greater atomic radii
- C. They have smaller atomic sizes D. All

Answer: Option c

29. Which one of the following pairs shown diagonal relationship in the periodic table?

- A. Sodium and Lithium B. Lithium and magnesium
- C. Lithium and beryllium D. Boron and Beryllium

Answer: Option B

30. NaOH is named as caustic soda because

- A. It corrodes the organic tissues B. It is used in soda water

C. It reacts with chlorine gas

D. It reacts with fats to form soap

Answer: Option A

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