

11. Which is the strongest acid?

- |                             |                             |
|-----------------------------|-----------------------------|
| <u>A.</u> HClO              | <u>B.</u> HClO <sub>2</sub> |
| <u>C.</u> HClO <sub>3</sub> | <u>D.</u> HClO <sub>4</sub> |

**Answer:** Option D

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12. Bromine can be liberated from KBr solution by the action of

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|---------------------------|--------------------|
| <u>A.</u> Iodine solution | <u>B.</u> Chlorine |
| <u>C.</u> NaCl            | <u>D.</u> KI       |

**Answer:** Option B

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13. Bleaching powder is an example of

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|-----------------------|-----------------------|
| <u>A.</u> Normal salt | <u>B.</u> Double salt |
| <u>C.</u> Mixed salt  | <u>D.</u> Complex     |

**Answer:** Option C

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14. Consider the following reaction-  $2\text{KClO}_3 + \text{H}_2\text{C}_2\text{O}_4 + \text{H}_2\text{SO}_4 \rightarrow \text{K}_2\text{SO}_4 + 2\text{H}_2\text{O} + 2\text{CO}_2 + \text{Oxide}$  Which oxide of chlorine is produced in the above reaction?

- |  |  |
|--|--|
| <u>A.</u> Cl <sub>2</sub> O              | <u>B.</u> ClO <sub>2</sub>               |
| <u>C.</u> Cl <sub>2</sub> O <sub>6</sub> | <u>D.</u> Cl <sub>2</sub> O <sub>7</sub> |

**Answer:** Option B

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15. Which of the following oxides of iodine is used for quantitative analysis of CO?

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|---|---|
| <u>A.</u> I <sub>2</sub> O <sub>4</sub> | <u>B.</u> I <sub>4</sub> O <sub>2</sub> |
| <u>C.</u> I <sub>2</sub> O <sub>5</sub> | <u>D.</u> All are equally useful        |

**Answer:** Option C

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16. Consider the following reaction-  $3\text{Cl}_2 + 6\text{NaOH} \rightarrow \text{NaClO}_3 + 5\text{NaCl} + 3\text{H}_2\text{O}$  This

reaction is

- A. Displacement reaction      B. Double displacement reaction  
C. Disproportionation reaction      D. Reduction reaction

**Answer:** Option C

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17. Which of the halogen has highest electronegativity?

- A. Fluorine      B. Chlorine  
C. Bromine      D. Iodine

**Answer:** Option A

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18. Which of the halogen can displace other three elements?

- A. Flourine      B. Chlorine  
C. Iodine      D. Bromine

**Answer:** Option A

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19. Which of the following statements is incorrect about halogens?

- A. All are non-metals      B. All the halogens have electronic configuration ns<sub>2</sub>p<sub>5</sub>  
C. They have high electron attinity and ionization energy      D. All the halogens react with noble gases to form their halides

**Answer:** Option D

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20. The chemical formula of sodium hypochlorite is

- A. NaClO      B. NaClO<sub>2</sub>  
C. NaClO<sub>3</sub>      D. NaClO<sub>4</sub>

**Answer:** Option A