

1. Among the halogens the rare element is

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

**Answer:** Option C

2. The colour of chlorine gas is

  - A. pale yellow
  - B. freenish yellow
  - C. reddish brown
  - D. grayish black

**Answer:** Option B

3. Vander Waals forces are stronger in

  - A. F<sub>2</sub>
  - B. Cl<sub>2</sub>
  - C. Br<sub>2</sub>
  - D. I<sub>2</sub>

**Answer:** Option D

4. The most powerful oxidizing agent among the halogens is

  - A. F<sub>2</sub>
  - B. Cl<sub>2</sub>
  - C. Br<sub>2</sub>
  - D. I<sub>2</sub>

**Answer:** Option A

5. Which of the following statements is incorrect about fluorine

  - A. fluorine is restricted to -1 oxidation state
  - B. fluorine follows octet rule and as well as extended octet rule
  - C. fluorine has lowest dissociation energy among the halogens
  - D. both b and c

**Answer:** Option D

6. The halogen which reacts spontaneously with gold (Au) to form Au+3 is

- |                           |                           |
|---------------------------|---------------------------|
| <u>A.</u> F <sub>2</sub>  | <u>B.</u> Cl <sub>2</sub> |
| <u>C.</u> Br <sub>2</sub> | <u>D.</u> I <sub>2</sub>  |

**Answer:** Option **B**

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7. Which one of the following is the weakest acid in water

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|---------------|---------------|
| <u>A.</u> HF  | <u>B.</u> HCl |
| <u>C.</u> HBr | <u>D.</u> HI  |

**Answer:** Option **A**

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8. The halogen which reacts very slowly with halogen is

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|--------------------|--------------------|
| <u>A.</u> Fluorine | <u>B.</u> Chlorine |
| <u>C.</u> Bromine  | <u>D.</u> Iodine   |

**Answer:** Option **D**

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9. Which of the following represents the correct electronic configuration of VII A group elements in the ground state?

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|-----------------|-----------------|
| <u>A.</u> ns2p2 | <u>B.</u> ns2p4 |
| <u>C.</u> ns2p5 | <u>D.</u> ns2p6 |

**Answer:** Option **C**

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10. The halogen having highest electron affinity is

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|--------------------|--------------------|
| <u>A.</u> Fluorine | <u>B.</u> Chlorine |
| <u>C.</u> Bromine  | <u>D.</u> Iodine   |

**Answer:** Option **B**