### Assignment 1_Chemistry of main group elements

The due date for submitting this assignment has passed. **Due on 2018-02-05, 23:59 IST.**

#### Submitted assignment

1) The IUPAC name of the unknown element having atomic no 134 is **1 point**

- Ununennium
- Untriquadium
- Unquadhexium
- Unpentoctium

*No, the answer is incorrect.*  
*Score: 0*

*Accepted Answers: Untriquadium*

2) According to the “Law of Octaves” **1 point**

- every sixth element having the properties similar to the second element.  
- every eighteenth element having the properties similar to the first element.  
- every elements in a row having similar properties.  
- every eighth element having the properties similar to the first element.

*No, the answer is incorrect.*  
*Score: 0*

*Accepted Answers:  
*every eighth element having the properties similar to the first element.*

3) Greater the value of electron affinity of an element, greater is its **1 point**

<table>
<thead>
<tr>
<th>Lecture 1</th>
<th>Classification of Elements and Periodic Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture 2</td>
<td>Periodic Properties, Periodic Trends and Classification of Main Group Compounds</td>
</tr>
<tr>
<td>Lecture 3</td>
<td>Classification of Main Group Compounds</td>
</tr>
<tr>
<td>Lecture 4</td>
<td>Effective Nuclear Charge</td>
</tr>
<tr>
<td>Lecture 5</td>
<td>Structure and Bonding aspects: Lewis Structures and VSEPR Theory</td>
</tr>
<tr>
<td>Quiz</td>
<td>Assignment 1_Chemistry of main group elements</td>
</tr>
</tbody>
</table>
4) Elements having low ionisation enthalpies are strong
- oxidizing agents
- reducing agents
- oxidizing as well as reducing agents
- strong oxidizing and weak reducing agents

No, the answer is incorrect.

Score: 0

Accepted Answers:
electronegativity character

5) The correct metalloid and non-metal pair is
- Rh and Os
- Ge and As
- B and Cl
- F and Kr

No, the answer is incorrect.

Score: 0

Accepted Answers:
reducing agents

6) The nature of the hydride formed by the element with electronegativity value 3.5 is
- ionic
- metallic
- non-metallic
- Both a and b

No, the answer is incorrect.

Score: 0

Accepted Answers:
non-metallic

7) The correct order of the ionic radii is
- O^{2-} > N^{3-} > Na^{+} < F^{-} > Mg^{+}
- N^{3-} < O^{2-} < F^{-} > Na^{+} > Mg^{+}
- O^{2-} > F^{-} > Na^{+} > N^{3-} > Mg^{+}
- N^{3-} > O^{2-} > F^{-} > Na^{+} > Mg^{+}

No, the answer is incorrect.

Score: 0

Accepted Answers:
N^{3-} > O^{2-} > F^{-} > Na^{+} > Mg^{+}
8) The Zₐₑffective value for 2p electron in O(Z=8) is
   - 4.55
   - 2.95
   - 4.25
   - 2.9

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   4.55

9) The correct equation to calculate the screening constant (s) for d-electron of Br(Z=35) is
   - 17 x 0.35 + 8 x 0.85 + 2 x 1.0
   - 9 x 0.35 + 18 x 1.0
   - 16 x 0.35 + 8 x 0.85 + 10 x 1.0
   - 9 x 0.35 + 8 x 0.85 + 10 x 1.0

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   9 x 0.35 + 18 x 1.0

10) The correct order of second ionisation energy is
    - F > O > N > C
    - O > F > N > C
    - O > N > F > C
    - C > N > O > F

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   O > F > N > C

You were allowed to submit this assignment only once.