Which of the following might represent the term on the y-axis?

1. Atomic radius
2. Ionization energy
3. Electron affinity
4. Electronegativity
5. 1 or 2
6. 2, 3, or 4
Which of the following might represent the term on the y-axis?

1. Atomic radius
2. Ionization energy
3. Electron affinity
4. Electronegativity
5. 1 or 2
6. 2, 3, or 4
Which is correct?

1. Struct #1 Struct #2
   \[ FC_{OA} = 0 \quad FC_{OA} = 0 \]
   \[ FC_{OB} = +1 \quad FC_{OB} = +1 \]
   \[ FC_{OC} = -1 \quad FC_{OC} = -1 \]

2. Struct #1 Struct #2
   \[ FC_{OA} = 0 \quad FC_{OA} = -1 \]
   \[ FC_{OB} = +1 \quad FC_{OB} = +1 \]
   \[ FC_{OC} = -1 \quad FC_{OC} = 0 \]

3. Struct #1 Struct #2
   \[ FC_{OA} = -2 \quad FC_{OA} = -2 \]
   \[ FC_{OB} = 0 \quad FC_{OB} = 0 \]
   \[ FC_{OC} = -2 \quad FC_{OC} = -2 \]

4. Struct #1 Struct #2
   \[ FC_{OA} = 0 \quad FC_{OA} = 1 \]
   \[ FC_{OB} = -1 \quad FC_{OB} = -1 \]
   \[ FC_{OC} = 1 \quad FC_{OC} = 0 \]
Which is correct?

<table>
<thead>
<tr>
<th>Option</th>
<th>Struct 1</th>
<th>Struct 2</th>
<th>FC&lt;sub&gt;OA&lt;/sub&gt;</th>
<th>FC&lt;sub&gt;OA&lt;/sub&gt;</th>
<th>FC&lt;sub&gt;OB&lt;/sub&gt;</th>
<th>FC&lt;sub&gt;OB&lt;/sub&gt;</th>
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<th>FC&lt;sub&gt;OC&lt;/sub&gt;</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Struct #1 Struct #2</td>
<td>FC&lt;sub&gt;OA&lt;/sub&gt; = 0</td>
<td>FC&lt;sub&gt;OA&lt;/sub&gt; = 0</td>
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<td>FC&lt;sub&gt;OB&lt;/sub&gt; = +1</td>
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<td>2</td>
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<td>3</td>
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<td>FC&lt;sub&gt;OA&lt;/sub&gt; = -2</td>
<td>FC&lt;sub&gt;OB&lt;/sub&gt; = 0</td>
<td>FC&lt;sub&gt;OB&lt;/sub&gt; = 0</td>
<td>FC&lt;sub&gt;OC&lt;/sub&gt; = -2</td>
<td>FC&lt;sub&gt;OC&lt;/sub&gt; = -2</td>
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<td>4</td>
<td>Struct #1 Struct #2</td>
<td>FC&lt;sub&gt;OA&lt;/sub&gt; = 0</td>
<td>FC&lt;sub&gt;OA&lt;/sub&gt; = 1</td>
<td>FC&lt;sub&gt;OB&lt;/sub&gt; = -1</td>
<td>FC&lt;sub&gt;OB&lt;/sub&gt; = -1</td>
<td>FC&lt;sub&gt;OC&lt;/sub&gt; = 1</td>
<td>FC&lt;sub&gt;OC&lt;/sub&gt; = 0</td>
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</tr>
</tbody>
</table>

10%  1.
69%   2.
9%    3.
12%   4.
Which molecule is nitric oxide?

1. NO
2. N$_2$O
3. HNO$_2$
Which molecule is nitric oxide?

1. NO
2. \( \text{N}_2\text{O} \)
3. \( \text{HNO}_2 \)
Determine the FC for the doubled-bonded F atom in our BF$_3$ Lewis Structure

1. +1
2. +2
3. 0
4. -1
5. -2
Determine the FC for the doubled-bonded F atom in our BF$_3$ Lewis Structure

1. +1
2. +2
3. 0
4. -1
5. -2
How many additional resonance structures are there for \(\text{CrO}_4^{2-}\)?

1. One
2. Two
3. Three
4. Four
5. Five
6. Six
7. Seven
8. Eight
9. Zero
How many additional resonance structures are there for $\text{CrO}_4^{2-}$?

1. One (3%)
2. Two (8%)
3. Three (6%)
4. Four (70%)
5. Five (3%)
6. Six (7%)
7. Seven (0%)
8. Eight (1%)
9. Zero (3%)