

Name:

Period:

Seat #:

Most Missed Questions from Fall 2016 Final Exam

Directions: Answer each question. Choose an answer and give either show your work if it is mathematical, or write a written explanation if it is not a mathematical equation

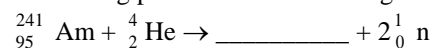
1. The correct name for FeO is

- A) iron(II) oxide
- B) iron(I) oxide
- C) iron oxide
- D) iron monoxide

2. The name for SrCl₂ is

- A) strontium chloride
- B) strontium(II) chloride
- C) strontium dichloride
- D) strontium(I) chloride

3. Identify the missing particle in the following nuclear equation:



- A) ${}_{97}^{247}\text{Bk}$
- B) ${}_{97}^{243}\text{Bk}$
- C) ${}_{97}^{246}\text{Bk}$
- D) ${}_{97}^{244}\text{Bk}$

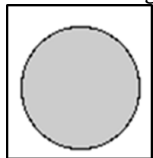
4. Titanium(IV) oxide has the formula

- A) TiO₂
- B) Ti₄O₂
- C) TiO₄
- D) Ti₄O

5. The correct formula for nickel(III) phosphate is

- A) NiPO₄
- B) Ni₃PO₄
- C) Ni₃(PO₄)₂
- D) Ni₂(PO₄)₃

6. The following is a representation of which model of the atom?



- A) Rutherford's Model
- B) Bohr's Model
- C) J.J. Thomson's Plum Pudding Model
- D) Quantum Model
- E) Dalton's Billiard Ball Model

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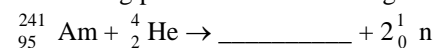
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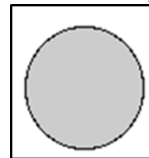
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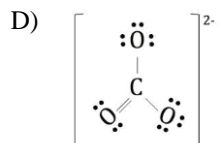
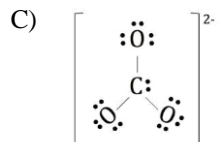
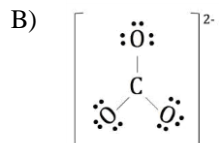
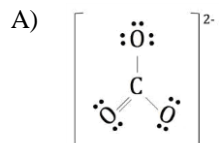
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7. Which of the following is the correct Lewis Structure for carbonate ion?



8. The maximum number of electrons allowed in each of the *p* orbitals is

- A) 8
- B) 2
- C) 18
- D) 4

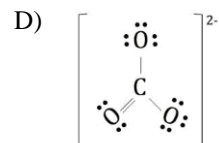
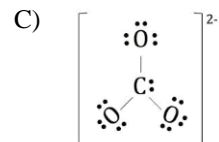
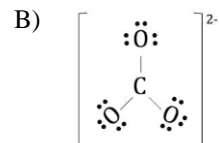
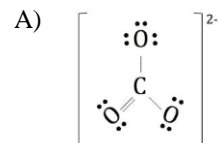
Goal Setting for Second Semester:

What grade are you hoping to earn second semester?

What is one thing you did first semester that you should keep doing second semester to help you earn that grade?

What is one thing you did NOT do first semester that you should start doing second semester to help you earn that grade?

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