

Student ID: _____ Name: _____

Instructions

This is where you can give directions, if you want.

1. Something something NO_2^- .
 - A. A
 - B. B
 - C. C
 - D. D
 - E. E
2. What should the answer be?
 - A. Not A
 - B. I wouldn't pick B
 - C. Why would you pick this one?
 - D. Please don't pick me
 - E. None of these
3. In question 2, which was the correct choice?
 - A. No
 - B. E
 - C. No
 - D. No
 - E. No
4. Mark the correct formula for sugar.
 - A. $\text{C}_4\text{H}_5\text{O}_3$
 - B. $\text{C}_2\text{H}_5\text{O}_5$
 - C. $\text{C}_4\text{H}_{10}\text{O}_2$
 - D. $\text{C}_6\text{H}_{12}\text{O}_6$
 - E. None of these

5. Remember to write a question here.

- A. One
- B. Two
- C. Fish
- D. Red
- E. Blue

6. Which is the smallest?

- A. 1 \AA
- B. 0.1 \AA
- C. 0.001 \AA
- D. 2 \AA
- E. 48 \AA

7. Derive the following Maxwell relation: $\left. \frac{\partial P}{\partial T} \right|_V = \left. \frac{\partial S}{\partial V} \right|_T$