1.	How many nanometers make up one meter?	
	A. 10^3	
	B. 10^6	
	C. 10^9	
	D. 10^{12}	
		1
		1
2.	How many significant figures are in the number 0.010010?	
	A. 2	
	B. 3	
	C. 4	
	D. 5	
		2
9		
3.	Which of the following are chemical (as opposed to physical) properties?	
	I The boiling point of ethyl alcohol is 78°C.	
	II Oxygen combusts when heated.	
	III Diamond is very hard.	
	IV Sugar ferments to form ethyl alcohol.	
	A. I only.	
	B. I and III only.	
	C. II and IV only.	
	D. I, II, and IV only.	
	E. I, II, III, and IV.	
		3
4	W/l:-lf +l- f-11:::	
4.	Which of the following is the same in all isotopes of an element?	
	A. Number of protons	
	B. Number of neutrons	
	C. Number of electrons	
	D. Atomic mass	
		4

5. Which of the following has the largest atomic radius?

Li	Ве
3	4
Na	Mg
11	12

- A. Li
- B. Na
- C. Be
- D. Mg

5. _____

6. Which is the correct order of these columns of the periodic table, from left to right?

- I Alkaline earth metals
- II Halogens
- III Noble gases
- IV Transition metals
- A. IV, III, I, II.
- B. I, IV III, II.
- C. IV, I, II, III.
- D. I, IV, II, III.
- E. II, IV, III, I.

6. _____

7. Which numbers correctly balance the equation below?

$$\mathrm{C_2H_7N} + \mathrm{O_2} \longrightarrow \mathrm{CO_2} + \mathrm{H_2O} + \mathrm{NO}$$

- A. 2, 4, 4, 7, 2
- B. 2, 8, 4, 7, 2
- C. 8, 34, 4, 28, 8
- D. 4, 17, 8, 14, 4

7. _____