**TOSS-UP**

2) CHEMISTRY *Short Answer* List all of the following that describe electronegativity change on the periodic table.  
1. Increases left to right  
2. Increases top to bottom  
3. Increases right to left  
4. Increases bottom to top

ANSWER: 1 and 4 only

**BONUS**

2) CHEMISTRY *Multiple Choice* Which of the following creates Ammonia?  
W) Timolt process  
X) Gagger process  
Y) Zulmer process  
Z) Haber process

ANSWER: Z) Haber process

**TOSS-UP**

3) CHEMISTRY *Multiple Choice* Which of the following supports the fact that only when electrons have opposite spins, they can occupy the same orbital?  
W) Hund’s rule

X) Aufbau principle  
Y) Valence equalizer  
Z) Pauli exclusion principle

ANSWER: Z) Pauli Exclusion principle

**BONUS**

3) CHEMISTRY *Short Answer* What is the term used to describe electrons that aren’t valence electrons?

ANSWER: Core electrons (Accept: Inner electrons)