

Name: _____

Class/Period: _____

Assignment: 10-29 and 10-30

Teacher: Thibodeau

1 Which group on the Periodic Table has two elements that exist as gases at STP?

- 1 Group 1
- 2 Group 2
- 3 Group 16
- 4 Group 17

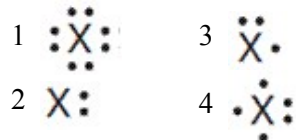
2 Which electron configuration represents the electrons of an atom in an excited state?

- 1 2-5
- 2 2-8-5
- 3 2-5-1
- 4 2-6

3 Which electron transition in an excited atom results in a release of energy?

- 1 first shell to the third shell
- 2 second shell to the fourth shell
- 3 third shell to the fourth shell
- 4 fourth shell to the second shell

4 Which Lewis electron-dot diagram represents an atom in the ground state for a Group 13 element?



5 Which element is classified as a metalloid?

- 1 Te
- 2 S
- 3 Hg
- 4 I

6 In which group on the Periodic Table would a nonmetallic element belong if atoms of this element tend to gain two electrons to complete their valence shell?

- 1 14
- 2 15
- 3 16
- 4 17

7 Which list of elements contains a metal, a metalloid, and a nonmetal?

- 1 Ag, Si, I₂
- 2 Ge, As, Ne
- 3 K, Cu, Br₂
- 4 S, Cl₂, Ar