

Name _____ Period _____

**AP Chemistry
Chapter 10 Test**

Part I: Multiple Choice (2 points each)

1. ____ 2. ____ 3. ____ 4. ____ 5. ____ 6. ____
7. ____ 8. ____ 9. ____ 10. ____ 11. ____ 12. ____
13. ____ 14. ____ 15. ____ 16. ____ 17. ____ 18. ____
19. ____ 20. ____

Answer each of the following former AP Questions. Diagrams and drawings are encouraged where they would be helpful. Each Question is worth 10 points.

1) At ordinary conditions, HF (normal boiling point = 20°C) is a liquid, whereas HCl (normal boiling point = -114°C) is a gas.

2) C (graphite) is used as a lubricant, whereas C (diamond) is used as an abrasive.

3) Xenon has a higher boiling point than neon has.

4) Solid copper is an excellent conductor of electricity, but solid copper chloride is not.

5) SiO_2 melts at a very high temperature, while CO_2 is a gas at room temperature, even though Si and C are in the same chemical family.

6) At room temperature, NH_3 is a gas and H_2O is a liquid, even though NH_3 has a molar mass of 17 grams and H_2O has a molar mass of 18 grams.