**Acid/Base Identification Sheet**

Based on the following formulas, decide if the compound is an acid, base, or salt. Label A for acid, B for base, and S for salt.

\_\_\_\_\_ 1. HC2H3O2

\_\_\_\_\_2. NaOH

\_\_\_\_\_3. KOH

\_\_\_\_\_4. H2SO4

\_\_\_\_\_5. LiCl

\_\_\_\_\_6. Mg(OH)2

\_\_\_\_\_7. NaCl

\_\_\_\_\_8. HCl

\_\_\_\_\_9. HNO3

\_\_\_\_10. NH3

Based on the following properties, decide if the solution is an acid or base. Label A for acid and B for base.

\_\_\_\_\_11.Reacts with metals

\_\_\_\_\_12. Turns red litmus paper blue

\_\_\_\_\_13. Turns blue litmus paper red

\_\_\_\_\_14. Breaks down fats/oils

\_\_\_\_\_15. Has a pH less than 7.0

\_\_\_\_\_16. Has a pH greater than 7.0

\_\_\_\_\_17. Has a tart/sour taste

\_\_\_\_\_18. Corrosive

\_\_\_\_\_19. Has a slippery feel

\_\_\_\_\_20. Has a bitter taste

21. Use the information in the chart below to create a pH scale with each item appropriately labeled on the scale. Also, classify each item as acid, base, or neutral.

|  |  |  |
| --- | --- | --- |
| **Item** | **pH** | **Acid, Base, or Neutral?** |
| Water (H2O) | 7.0 |  |
| Coffee | 5.6 |  |
| Tums | 9.4 |  |
| Dawn Dish Soap | 8.2 |  |
| Soda | 2.5 |  |
| Baking Soda | 10.3 |  |
| Lemon Juice | 3.5 |  |

**Draw and Label your pH scale here:**