

Practice: Acids and Bases

1. For each of the following, state if it an acid or a base.
 - a) Pepsi Cola
 - b) Draino drain cleaner
 - c) Baking powder
 - d) Orange juice
 - e) Pepto Bismol stomach antacid
 - f) Vinegar
2. For each of the following chemical formulas, give the name of the acid or base.
 - a) H_2SO_4
 - b) NH_4OH
 - c) $\text{Ca}(\text{OH})_2$
 - d) HCl
 - e) HNO_3
 - f) NaOH
3. How do acids taste, and how do bases taste?
4. What colour does litmus paper have when it is dipped in an acid and in a base?
5. What indicator is yellow in an acid, and blue in a base?
6. Write a balanced chemical equation for the neutralization of potassium hydroxide and nitric acid. **hydrogen nitrate**
7. Will an electrical current pass through a base and an acid?
8. When zinc is dropped into hydrochloric acid, write a balanced chemical equation for the reaction. **Zn is 2+**
9. 8. When sodium carbonate is dropped into hydrochloric acid, write a balanced chemical equation for the reaction. **hydrogen chloride**
10. If you were to feel a base, how would it feel?