



# New English Private School (NEPS)

Tel. **NEPS 1:** 011 320 57 20 **NEPS 2:** 0113 83 72 10 **NEPS 3:** 011 384 70 50 **NEPS 4:**  
011 38470 07 **NEPS 5:** 011 369 25 35  
www. NEP school.edu.et P.O.Box 18609 Addis Ababa Ethiopia

Name \_\_\_\_\_ 3<sup>rd</sup>Quarter Date 2020 Subject: Chemistry  
Review Worksheet Grade-10\_\_ Teacher's Name Mr. Lijalem

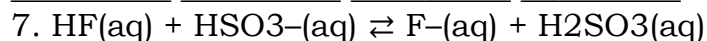
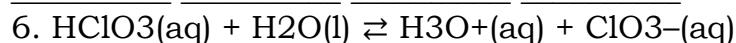
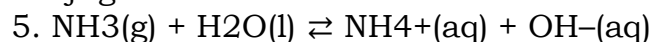
## I. Fill in the blank space with the correct word/s.

1. Acids taste \_\_\_\_\_ and bases taste \_\_\_\_\_, bases also feel .
2. Acids turn litmus paper \_\_\_\_\_, bases turn litmus paper \_\_\_\_\_ and phenolphthalein .

## II. Answer the following questions according to the given instruction.

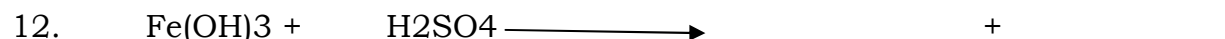
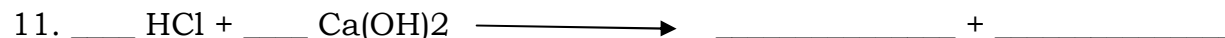
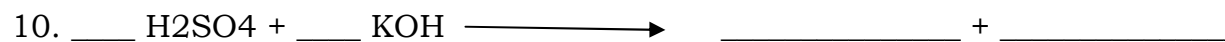
3. Circle: Weak acids are strong / weak electrolytes. A weak electrolyte is a poor / good conductor of electricity.
4. The definitions of a Brønsted-Lowry acid is:

Identify the Brønsted-Lowry Acid & Base, and also the conjugate acid and conjugate base in each reaction:



8. The product of an Arrhenius acid and base neutralization are a/an \_\_\_\_\_ and .

## III. Complete and balance the following reactions:



**IV. Answer the following questions according to the given instruction.**

13. What is the correct formula for nitrous acid?
14. What is the correct formula for hydrobromic acid?
15. What is the correct name for  $\text{H}_3\text{PO}_3$ ?
16. What is the correct name for  $\text{HNO}_3$ ?
17. What is the correct formula for bromic acid?
18. What is the correct name for  $\text{H}_2\text{SO}_4$ ?
19. What is the formula for aluminum hydroxide?
20. What is the correct name for  $\text{Sr}(\text{OH})_2$ ?
21. What is the correct name for  $\text{Cu}(\text{OH})_2$ ?
22. What is the formula for iron (III) hydroxide?

**V. Classify the following acids as strong or weak.**

- |                             |                             |                             |                          |
|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| 23. HI                      | 24. $\text{H}_2\text{SO}_4$ | 25. $\text{H}_2\text{CO}_3$ | 26. $\text{HNO}_2$       |
| 27. $\text{H}_3\text{PO}_4$ | 28. $\text{HNO}_3$          | 29. $\text{HCOOH}$          | 30. $\text{H}_2\text{S}$ |

Parent/Guardian's signature \_\_\_\_\_

---

We Make Learning a Happy Experience!!!