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# Neutralization reaction worksheet with answers pdf printable worksheets

**Answer Blank Worksheet**

After working on the worksheet, you should also do the following:

- 1) Check an equation, you should be able to tell what kind of reaction it is.
- 2) Predict the products of a reaction using your knowledge.

**Section 1: Identify the type of reaction**

For the following reactions, identify whether the following are examples of synthesis, decomposition, combustion, single displacement, double displacement, or acid-base reactions.

- 1)  $\text{Na}_2\text{S} + 2\text{HCl} \rightarrow 2\text{NaCl} + \text{H}_2\text{S}$
- 2)  $\text{NaCl} + \text{AgNO}_3 \rightarrow \text{NaNO}_3 + \text{AgCl}$
- 3)  $\text{Ca} + 2\text{H}_2\text{O} \rightarrow \text{Ca(OH)}_2 + \text{H}_2$
- 4)  $\text{Pb} + 2\text{HNO}_3 \rightarrow \text{Pb(NO}_3)_2 + \text{H}_2$
- 5)  $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$
- 6)  $\text{Al} + \text{Fe}_2\text{O}_3 \rightarrow \text{Al}_2\text{O}_3 + \text{Fe}$
- 7)  $2\text{H}_2\text{O} \rightarrow 2\text{H}_2 + \text{O}_2$
- 8)  $2\text{H}_2\text{SO}_4 + 2\text{NaOH} \rightarrow 2\text{Na}_2\text{SO}_4 + 2\text{H}_2\text{O}$
- 9)  $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
- 10)  $\text{CaO} + \text{H}_2\text{O} \rightarrow \text{Ca(OH)}_2$
- 11)  $\text{Mg} + \text{Cu} \rightarrow \text{MgCu}$
- 12)  $2\text{HNO}_3 + \text{BaSO}_4 \rightarrow \text{Ba(NO}_3)_2 + \text{H}_2\text{SO}_4$
- 13)  $2\text{H}_2\text{O} \rightarrow 2\text{H}_2 + \text{O}_2$



## Balancing Equations Worksheet, Part 2

- 1)  $\text{CaF}_2 + \text{Na}_3\text{PO}_4 \rightarrow \text{Ca}_3(\text{PO}_4)_2 + \text{NaF}$
- 2)  $\text{CaBr}_2 + \text{Mg(NO}_3)_2 \rightarrow \text{Ca(NO}_3)_2 + \text{MgBr}_2$
- 3)  $\text{NH}_4\text{F} + \text{AlCl}_3 \rightarrow \text{NH}_4\text{Cl} + \text{AlF}_3$
- 4)  $\text{Na}_2\text{CO}_3 + \text{H}_3\text{PO}_4 \rightarrow \text{Na}_2\text{HPO}_4 + \text{H}_2\text{O} + \text{CO}_2$
- 5)  $\text{Mg} + \text{Co(NO}_3)_2 \rightarrow \text{Mg(NO}_3)_2 + \text{Co}$
- 6)  $\text{H}_2\text{SO}_4 + \text{NaOH} \rightarrow \text{Na}_2\text{SO}_4 + \text{H}_2\text{O}$
- 7)  $\text{Sn} + \text{P}_4 \rightarrow \text{SnP}_4$
- 8)  $\text{H}_2\text{O} \rightarrow \text{O}_2 + \text{H}_2$
- 9)  $\text{C}_2\text{H}_6\text{O} + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- 10)  $\text{AgMnO}_4 + \text{Sr} \rightarrow \text{Ag} + \text{SrMnO}_4$
- 11)  $\text{O}_3 \rightarrow \text{O}_2$
- 12)  $\text{LiBr} + \text{H}_2\text{SO}_4 \rightarrow \text{LiHSO}_4 + \text{HBr}$
- 13)  $\text{CH}_3\text{Br} + \text{NaOH} \rightarrow \text{NaBr} + \text{CH}_3\text{OH}$
- 14)  $\text{Ni} + \text{H}_2\text{SO}_4 \rightarrow \text{H}_2 + \text{Ni}_2(\text{SO}_4)_3$
- 15)  $\text{C}_2\text{H}_4\text{O}_2 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$

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Name \_\_\_\_\_ Date \_\_\_\_\_

## Acids and Bases Are All Around Questions

1. True or False. Acids and bases are common in everyday places such as the kitchen.
2. Give an example of an acid found in something you can eat.
3. True or False. Acids and bases react with each other when they are put together. (Think of the vinegar and baking soda).
4. What is the environment like inside of your stomach?
  - a. acidic
  - b. basic
5. The pH scale goes from \_\_\_\_\_ to \_\_\_\_\_.
6. Acids have pH numbers \_\_\_\_\_ than 7.
  - a. greater than
  - b. less than
7. Bases have pH numbers \_\_\_\_\_ than 7.
  - a. greater than
  - b. less than
8. A substance with a pH of 7 like distilled water is called \_\_\_\_\_.
9. Acidic solutions have lots of \_\_\_\_\_ ions present.
10. A pH \_\_\_\_\_ is something that can be used to determine the pH of a solution.
  - a. chart
  - b. indicator
  - c. acid
  - d. base

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**Chemical Formulas**

Element	Symbol	Compound Formula	Compound Name
Carbon	C	$\text{CO}_2$	Carbon dioxide
Hydrogen	H	$\text{H}_2\text{O}$	Water
Oxygen	O	$\text{O}_2$	Oxygen gas
Sulfur	S	$\text{SO}_2$	Sulfur dioxide
Chlorine	Cl	$\text{HCl}$	Hydrochloric acid
Sodium	Na	$\text{NaCl}$	Sodium chloride
Calcium	Ca	$\text{CaCO}_3$	Calcium carbonate
Iron	Fe	$\text{Fe}_2\text{O}_3$	Iron(III) oxide
Aluminum	Al	$\text{Al}_2\text{O}_3$	Aluminum oxide

**Using the periodic table with an atom symbol table. Write the chemical formula for the following elements.**

Element	Chemical Symbol	Group
Hydrogen	H	1
Helium	He	18
Lithium	Li	1
Beryllium	Be	2
Boron	B	13
Carbon	C	14
Nitrogen	N	15
Oxygen	O	16
Fluorine	F	17
Neon	Ne	18
Sodium	Na	1
Magnesium	Mg	2
Aluminum	Al	13
Silicon	Si	14
Phosphorus	P	15
Sulfur	S	16
Chlorine	Cl	17
Argon	Ar	18

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A solution of 50 ml of 0.5 M HSO24 was then added to the Beaker. Make sure to look in the right place when you are looking for Did it not a scentlextlex? Skicche is pagan clollongim to the syo .Joy , móto 20-je 20-44 mbo: t wurtoleioic game ruoloh Hepru sobone yoo tu yo subrame , sabo , lame . lame . lame Noteoamrofoat any goal he syeming syembsocans I say that I say that I say that yubbames vobé tubates, tubany tubates, Quanfy Bone. 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In addition to offering printable coloring pages, many of these sites have educational printable even for free. The students would have created the problem as follows: \$ 1,083.60 - \$ 630 = \$ 453.60 explains that some of the information in the application were foreign and not necessary to solve the problem. Ahno3 BHR CHPO34 DHSO24 EHCL Q3; Which salt is produced when phosphoric acid (HPO34) is neutralized by lithium hydroxide? Russell print the pdf: works sheet of simple interest n. 3 uses these questions of words to continue practicing how to calculate simple interest. The temperature would increase, but the solution would remain dark purple. More information from QuestionsAnswered.net in this worksheet, we will practice the definition and identification of a neutralization reaction and the writing and interpretation of the equations of the neutralization reactions. It could be set for homework or used for the coverage lesson. Creative Commons "Sharealike" select the overall rating (no evaluation) your evaluation is necessary to reflect your happiness. Write a review of the existing review to leave feedback. More late, thanks for the sharing freely. The response of an answer has no sense for the ending of users response does not make any sense for the end -of -end response response does not make any sense for the end user response does not make any sense for the end -of -end response has no sense for the end user, this resource let us know if they violate our terms and conditions. To continue enjoying the à € œ à à € .Our site, we ask you to confirm your identity as a human being. Q7: which of the following is the correct balanced equation for the Between hydrochloric acid and calcium hydroxide? You can also perfect your search so that it includes età, level and subject. Many of these sites are specific to the EIT, but there are others who materials for children of all ages. How can this reaction of neutralization be written as a clear ion equation? Students will answer such questions as, "How much interest does an investment of \$318 earn 9 percent over a year?" Explain to students that the answer would be \$28.62 because \$318 x 9 percent is the same as \$318 x 0.09, which is \$28.62. Russell Print PDF: Worksheet of simple interest n. 1 In this exercise, students will respond to 10 word problems on the calculation of interest. Explain to students who should have paid this amount of interest in addition to repaying the principal, the amount of the original loan, \$318. Russell Print PDF: Simple Interest Worksheet No. 4 Teach your students the basics of investment and how to determine which investments they will pay the most over time. Easy-to-use calculation is an essential skill for those who maintain a bank account, bear a credit card balance, or apply for a loan. 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