## All about Acid & Base Quiz

Name:	
Date:	

Multiple Choice. Encircle the letter that correspond	onds to the correct appropr
Bases react with	to the correct answer.
a. neither acids, salts, nor water	
b. water to produce acids and salts	
c. salts to produce acids and water	
d. acids to produce salts and water	
2. Which of the following is false about acids a	nd bases?
a. Acids are substances that donate protor	ns.
<ul> <li>Bases are substances that accept electron</li> </ul>	ns.
c. A base is any substance that produces (	OH- in aqueous relutions
d. An acid is any substance that produces	H+ when dissolved in water
3. Which type of reaction always forms a salt at	nd water?
a. exothermic	c. oxidation
b. neutralization	d. polymerization
<ol> <li>One of the physical properties that all acids ł</li> </ol>	nave is
a. being colorless	c. color
b. bitter taste	d. sour taste
5. Which ion do bases contain?	
a. H <sup>+</sup>	c. NH <sub>4</sub>
b. H <sub>3</sub> O	d. OH-
6. Acids turn litmus paper into	
a. blue	c. violet
b. red	d. yellow
<ol> <li>Which of the following is a characteristic of b</li> </ol>	ases?
2. dry	c. rough
b. moist	d. slippery
8. A pure substance made of two or more eleme	ents that are chemically combined is called
a. compound b. mixture	c. solution
xtute	d. suspension
9. How is a mixture different from a compound?	
mixtures are commonly found in nature.	
mixtures have two or more components.	
d. Each sub-	ure.
Each substance in a mixture keeps most o	f its characteristic properties.

10. Metals, nonmetals, and month in		
Metals, nonmetals, and metalloids are characteristal     a. alloys	tic pro	perties of
D	40.0	Cicrierie
11. Which of the following substances can be separate means?  a. magnesium	d.	mixtures
a. magnesium		ampier substances only by chemical
b. salt water	c.	
12. A(n) can be separated by filtration.	d.	water.
a. alloy		
b. compound	c,	element
13. Which of the following is not considered a mixture	d.	mixture
a. emulsion	re?	
b. potașsium chloride	c.	shaving cream
14. Which of the following lists contain pure elemen	d.	tea
a. air, water, oxygen		1.1.
b. air, water, fire, earth	c.	hydrogen, oxygen, brass
15. Matter is defined as anything that	d.	sodium, nitrogen, oxygen
a. has mass	-	both A and B
b. occupies space	c. d.	
16. A pH scale reading of less than 7 at 25°C indicate		none of these
a. acidic		
b. basic	c.	neutral
17. Phenolphthalein solution turns bases	d.	unknown
a. colorless		1111
	c.	reddish pink
	d.	yellow
18. A pH scale reading of indicates a weak	c base	
a. 2	c.	8
b., 6 .	d.	13
19. Methyl orange solution turns bases		
a. colorless	c.	pink
b. orange	d.	yellow
20. Acetic acid is a weak acid, while is a si	trong	acid.
boric acid	c.	hydrochloric acid
b. carbonic acid	d.	oxalic acid

## **#LIVEWORKSHEETS**