

2c

ACIDS, BASES, AND SALTS from the *Elements of Chemistry Series*

Word Match

Directions: Connect the word with the proper definition.

acid _____	a. positively charged ion
anion _____	b. solution with a pH between 10 and 14
base _____	c. solution with a pH between 4 and 6
cation _____	d. acids turn it red, bases turn it blue
electrolytes _____	e. positively charged particle
H ⁺ ion _____	f. negatively charged ion
litmus paper _____	g. can accept a hydrogen ion
proton _____	h. can donate a hydrogen atom
strong base _____	i. positive hydrogen ion
weak acid _____	j. good conductors of electricity

Directions: Fill in the blank with the appropriate term from the list below.

acid	cation	fission	neutral
anion	conjugate	fusion	neutralization
atom	electrolytes	ion	neutron
atomic	electrons	litmus	positive
base	element	negative	proton

- The process where acids and bases react so that both are lost to form water and a salt is called _____.
- According to the definition, a _____ is any substance that can accept a hydrogen ion.
- A negatively charged ion is called an _____.
- Substances that are good conductors of electricity are called _____.

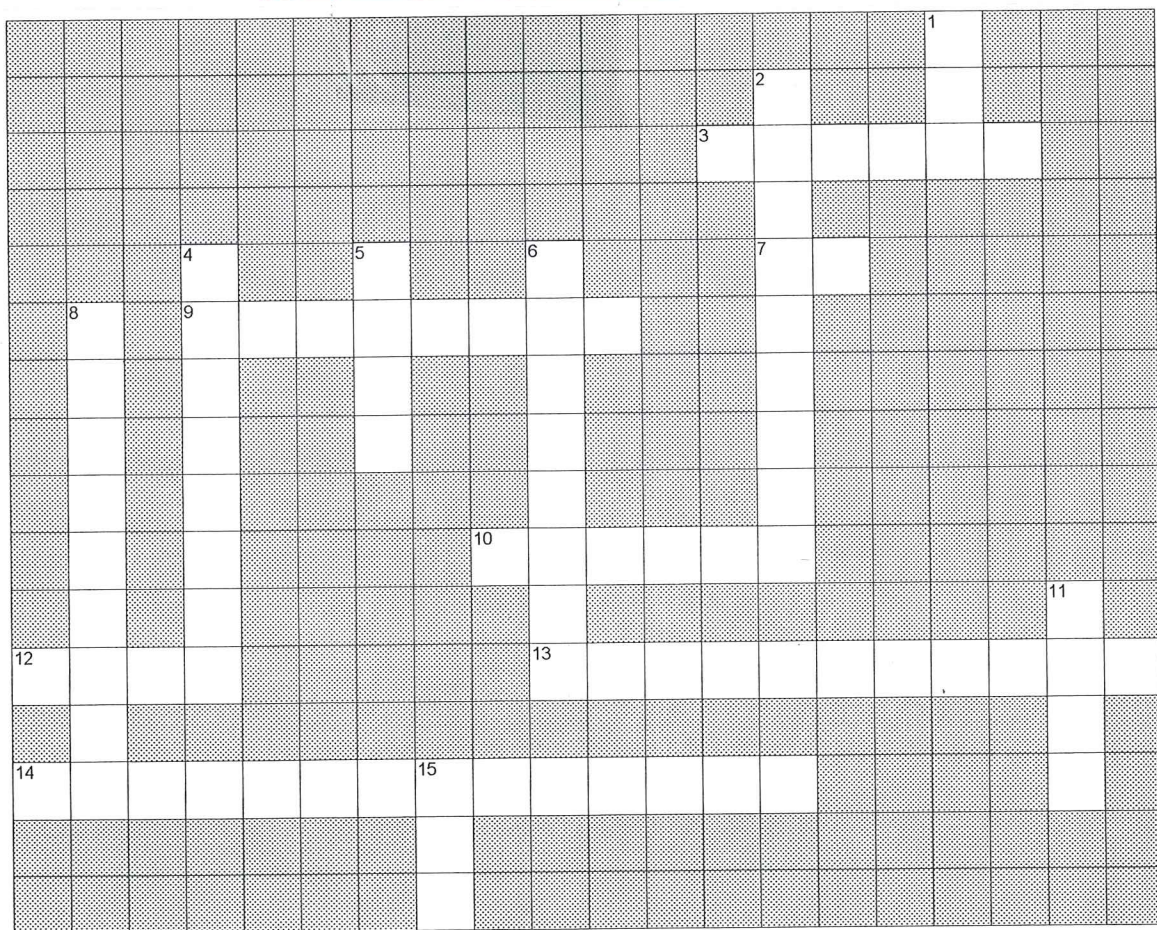
Word Bank

- base
- Negative
- H_2O
- Atom
- electron

- Proton
- Acid
- Ion
- Litmus
- Positive

- electrolyte
- Conjugate
- H^+
- neutralization
- Arrhenius

Crossword puzzle



Across

3. Positively charged particle
7. Single proton.
9. Negatively charged particle.
10. Acid turns this paper red, bases turn it blue.
12. Can accept a hydrogen ion.
13. Good conductor of electricity.
14. When properties of acids and bases are lost.

Down

1. Water
2. Swedish chemist, Svante _____.
4. - electrical charge.
5. Can donate a hydrogen ion.
6. + electrical charge.
8. _____ acid base pair.
11. Fundamental unit of matter.
15. Has more or less electrons than protons.