

Naming Acids and Bases Worksheet
Chemistry
2 points

Name: _____

Date: _____ Hour: _____

- 1) What is a binary acid? _____

- 2) What is a monatomic ion? _____
- 3) What is a polyatomic ion? _____
- 4) Where are the halogens located on the periodic table? _____
- 5) Name the following acids:

Acid formula	Positive ion	Negative ion	Acid name
ex> HCl	H ⁺	Cl ⁻	hydrochloric acid
HBr			
HNO ₃			
H ₂ SO ₄			
H ₃ PO ₄			
H ₂ Se			

- 6) Write the formula of the following acids:

Acid name	Positive ion	Negative ion	Acid formula
ex> carbonic acid	H ⁺	CO ₃ ²⁻	H ₂ CO ₃
hydrofluoric acid			
citric acid			
acetic acid			
hydroiodic acid			

- 7) Bases are made of _____ and _____.
- 8) There are _____ periods and _____ families on the periodic table.
- 9) The first group on the periodic table is named the _____.
- 10) The second group on the periodic table is named the _____.
- 11) Alkali means _____.
- 12) Name the following bases:

Base formula	Positive ion	Negative ion	Base name
ex> NaOH	Na ⁺	OH ⁻	sodium hydroxide
Ba(OH) ₂			
LiOH			
Mg(OH) ₂			

- 13) Write the formula of the following bases:

Base name	Positive ion	Negative ion	Base formula
ex> sodium hydroxide	Na ⁺	OH ⁻	NaOH
strontium hydroxide			
lithium hydroxide			
potassium hydroxide			

- 14) All the charges in a compound must _____.
- 15) (a) If a chemical has a pH of 7, it is _____.
- (b) If a chemical has a pH higher than 7, it is _____.
- (c) If a chemical has a pH lower than 7, it is _____.
- 16) Name three acids you might have in your home: _____