

Name _____ Date Due _____

Acids and Bases

1. What is a base?

2. A solution of NaOH(aq) has a greater concentration of OH⁻(aq) ions than of H⁺(aq) ions. How do we know that the solution will be alkaline?

3. What happens to the pH of an acidic or alkaline solution as it is diluted?

4. How do we know that a solution of CO_2 will be acidic and a solution of MgO will be alkaline?

5. Name the salts of...

4. How do we know that a solution of CO_2 will be acidic and a solution of MgO will be alkaline?

5. Name the salts of...

Name _____ Date Due _____

Acids and Bases

1. What is a base?

A base is an alkali that has not been dissolved in solution.

2. A solution of NaOH(aq) has a greater concentration of OH⁻(aq) ions than of H⁺(aq) ions. How do we know that the solution will be alkaline?

OH⁻(aq) ions are responsible _____ alkalis. Therefore, if the concentration _____ OH⁻(aq) ions is greater than the _____ of H⁺(aq) ions, the solution _____ be alkaline.

3. What happens to the pH of an acidic or alkaline solution as it is diluted?

The pH _____ towards 7.

Name _____ Date Due _____

Acids and Bases

1. What is a base?

A base is an alkali that has not been dissolved in solution.

2. A solution of NaOH(aq) has a greater concentration of OH⁻(aq) ions than of H⁺(aq) ions. How do we know that the solution will be alkaline?

OH⁻(aq) ions are responsible _____ alkalis. Therefore, if the concentration _____ OH⁻(aq) ions is greater than the _____ of H⁺(aq) ions, the solution _____ be alkaline.

3. What happens to the pH of an acidic or alkaline solution as it is diluted?

The pH _____ towards 7.

4. How do we know that a solution of CO_2 will be acidic and a solution of MgO will be alkaline?

Non-metal oxides are _____ in solution and non-metal _____ are alkaline in solution. CO_2 is a _____ oxide and MgO is a metal _____.

4. How do we know that a solution of CO_2 will be acidic and a solution of MgO will be alkaline?

Non-metal oxides are _____ in solution and non-metal _____ are alkaline in solution. CO_2 is a _____ oxide and MgO is a metal _____.

5. Name the salts of...

Sodium hydroxide and hydrochloric acid

S _____ C _____

Magnesium hydroxide and nitric acid

M _____ N _____

Lithium hydroxide and sulphuric acid

L _____ S _____

5. Name the salts of...

Sodium hydroxide and hydrochloric acid

S _____ C _____

Magnesium hydroxide and nitric acid

M _____ N _____

Lithium hydroxide and sulphuric acid

L _____ S _____