

Electrical conductivity and pH

ST

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Complete this Concept Review so you can keep a record of what you have learned.

Definitions

- An electrolyte is _____

- The electrical conductivity of a solution is _____

- Electrolytic dissociation is _____

Characteristics of the types of electrolytes

Type of electrolyte	Acid	Base	Salt
Definition	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Chemical composition	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Reaction to litmus paper	_____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____
Examples	_____ _____ _____ _____ _____ _____	_____ _____ _____ _____ _____ _____	_____ _____ _____ _____ _____ _____

Name: _____ Group: _____ Date: _____

pH scale

If the pH < 7, the solution is _____

If the pH = 7, the solution is _____

If the pH > 7, the solution is _____

pH of some common substances

pH	Acidity or basicity in comparison to a pH of 7	Examples of substances
	10 000 000 times more acidic	
	1 000 000 times more acidic	Gastric juices
	100 000 times more acidic	
	10 000 times more acidic	
	1 000 times more acidic	
	100 times more acidic	Rainwater
	10 times more acidic	Milk
	Neutral	
	10 times more basic	
	100 times more basic	
	1 000 times more basic	
	10 000 times more basic	
	100 000 times more basic	Lime
	1 000 000 times more basic	Oven cleaner
	10 000 000 times more basic	