



LESSON PLAN

School: Hasan Hüseyin Akdede Anatolian Teacher Training High School

Teacher: Fazilet Turna

Subject: Chemistry

Topic: Acidic and Basic Solutions

Class: 11th

Objectives:

Students are going to grasp the features of acid and basic solutions

Progress:

Introduction

Students give examples of acids and bases

Motivation

Students explain the significance of the acids and bases in life

1. The features of acids and bases are explained

2. The features of acidic and basic solutions

An acidic solution is any [aqueous solution](#) which has a [pH](#) < 7.0 ($[H^+] > 1.0 \times 10^{-7} \text{ M}$).

A basic solution is an [aqueous solution](#) containing more OH^- ions than H^+ ions. An [aqueous solution](#) with a [pH](#) greater than 7.

$$[OH^-] \times [H^+] > 10^{-14}$$

pH: 7 neutr solution

pH > 7 basic solution

pH < 7 acidic solution

Evaluation

Solutions software

