

SENIOR HIGH SCHOOL

12 GRADES

LEMBAR KERJA PESERTA DIDIK

ACID BASE



NAMA :

KELAS :

KHAO YAI



Khao Yai is one of Thailand's most popular nature destinations, famous for its beautiful mountains, wildlife and the UNESCO World Heritage site Khao Yai National Park. Located about a 3-hour drive from Bangkok, Khao Yai offers spectacular natural scenery, cool air, and a variety of adventure activities.

Here are some of the highlights of Khao Yai:

1. Khao Yai National Park
2. Haew Narok and Haew Suwat Waterfalls
3. Vineyards and Culinary Tours
4. European Themed Farms and Resorts

Background

Khao Yai is one of the green spaces that is important for the balance of environment and life. Plants and soil in the garden are often affected by acidic and alkaline properties, whether from fertilizers, rainwater, or air pollution. In chemistry, the acid-base concept can be used to understand how various factors affect soil acidity and plant growth.

Activity 1

Describe the elements in the Khao Yai destination? (example, dirt, plant, river, etc.)

No	Element	Describe
1.		
2.		
3.		
4.		
5.		
6.		

Aktivitas 2

Which of these elements can be affected by chemical reactions?

Activity 3

To answer the questions below, you can search the internet for additional information!

Explain how the concept of acids and bases can be applied in analyzing the soil in the garden. Does the soil in the garden tend to be acidic or base? What factors can affect soil pH

Explain how rainwater, which is often slightly acidic, can affect soil and plant pH.

What is the impact of soil pH on plant growth in the garden. What types of plants are suitable for growing in acidic and base soils?