

CONCEPT MEASURING ABSORBANCE

EXAMPLE 1: In UV-Vis spectroscopy, the absorbance represents the quantity of light that a sample absorbs, while the percent transmittance represents the amount of light that passes through a sample. Calculate the percent transmittance of a sample if its absorbance is measured as 0.419.

EXAMPLE 2: If your sample has a percent transmittance of 39.1%, determine the absorbance of the compound.

PRACTICE: Identify the colors of a compound that absorbs green light, yellow-green light and blue light.

