**Tutorial session N° 1 : pectrophotomètre**

**Exercise 1**

Guanosine has a maximum absorbance of 275 nm. ϵ 275=8400M−1cm−1 and the path length is 1 cm. Using a spectrophotometer, you find the that A 275=0.70. What is the concentration of guanosine?

**Exercise 2**

There is a substance in a solution (4 g/liter). The length of cuvette is 2 cm and only 50% of the certain light beam is transmitted. What is the absorption coefficient?

**Exercise 3**

The absorption coefficient of a glycogen-iodine complex is 0.20 at light of 450 nm. What is the concentration when the transmission is 40 % in a cuvette of 2 cm?

**Exercise 4**

Q1/ What is spectrophotometer used for?

Q2/ what is the basic principle of spectrophotometer?

Q3/ How does a spectrophotometer work?