STUDY GUIDE FOR TEST 3

YOU SHOULD BE ABLE TO RECALL, UNDERSTAND AND APPLY THE FOLLOWING:

The life cycle of plants by alternation of generations, including the aspects that are common to all groups of plants and the aspects that are different from one group to the other (like dominant generation, dependent generation, dispersal by seed or spore)

For each of the groups of plants, non vascular, seedless, gymno and angio, understand the part of the plant that represents the gametophyte, sporophyte. For each group, determine the traits that allow them to move onto land and the traits that they may lack to make them less adapted to life on land

The different phyla of plants, and their representatives and their characteristics and importance to humans

The types of cells their structure and function

The types of tissue, their structure and function. The arrangement of these in monocot and dicot organs

The types of organs, their structure and function. The modifications of these organs in certain plants.

The plant systems their structure and function

The transport of water and minerals in the plant

The transport of sugars in the plant

The growth of the plant: primary growth and secondary growth

The major types of plant hormones, their effect and the use of these hormones by humans

The different responses that plants have to stimuli (tropisms) and how are these regulated by hormones