

# CONTENTS

## **INTRODUCTION**

Reminder of the basic concepts

- Organisation of a plant
- Organisation of a plant cell

## **Part I. NUTRITION**

1. Water nutrition (mechanisms of water absorption and movement);
2. Transpiration and water balance;
3. Mineral nutrition (macro and micro-elements);
4. Nitrogen nutrition (Nitrogen cycle, transport and assimilation of nitrates);
5. Carbon nutrition (photosynthesis).

## **Part II. PLANT DEVELOPMENT**

1. Seed formation;
2. Germination;
3. Growth;
4. Flowering;
5. Fruiting.