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backgrounds the science of grapevines anatomy and physiology is the only book to comprehensively explore the physiology of the grapevine as it occurs around the world while other books have focused on the vines of specific root structure commercial vines are propagated vegetatively and roots initially form as outgrowths of the cutting's cambium layer under conditions of high humidity on rooted cuttings they generally form near a shoot node these become the main structural roots which branch off into lateral secondary and tertiary roots the science of grapevines anatomy and physiology 2nd edition by markus keller ph d author 4 4 20 ratings grapevines comprise vegetative organs roots trunk cordon shoots leaves and tendrils and reproductive organs clusters with flowers or berry fruit all organs are interconnected through the vascular system comprising the xylem for water and nutrient transport and the phloem for assimilate transport based on the author's many years of teaching research and practical experience with grapevines and grape production the book is completely revised and updated presenting a comprehensive introduction on the physical structure of the grapevine its organs their functions and their environmental interactions français the science of grapevines anatomy physiology by m keller burlington ma usa academic press 2010 pp 377 84 99 isbn 978 0 12 374881 2 published online by cambridge university press 13 august 2010 bob lindo article metrics get access cite rights permissions abstract gross anatomy gross anatomy gross large deals with the structures of the body that are visible to the naked eye structures such as muscles bones digestive organs or skin can be examined historically by means of cadaveric kad a ver ic a dead body dissections di sek shun to cut apart

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