

Review Outline  
Chapter 11  
Plants to Feed the World

A. Plants

Uses (food, etc)  
nutrition (photosynthesis; know equation)

B. Economics

Plants are **producers**  
Animals (and others) are **consumers**  
Fungi and bacteria are **decomposers**  
Energy flows **through** the economy  
Chemicals are **recycled within** the economy  
e.g., the nitrogen cycle

C. Plant anatomy

parts and functions  
vascular tissue  
water movement (osmosis, transport, transpiration)

D. Increasing crop yield

Fertilizer (benefits and dangers)  
Soil makeup and conservation  
Water distribution (hydroponics)  
Monocultures (benefits and dangers)  
Pests and controlling them  
Food pyramid and biomagnification  
GMO's advantages / disadvantages ?  
(genetically modified organisms == GMO)