

Review Questions (Week 3)

- 1) What is the name of the chemical process that green plants (like trees) use to capture energy from the sun?
- 2) What is the name of the chemical process that releases stored energy in plants trees?
- 3) What is the highest priority for energy use in a tree?
- 4) What is secondary growth?
- 5) What are stomates?
- 6) Is most of the wood in a tree alive or dead?
- 7) What is MAI?
- 8) What are the units used to express MAI?
- 9) What are two main uses of photosynthates by plants?
- 10) Where is the phloem located?
- 11) What is an ecosystem?
- 12) How do you determine the boundaries of an ecosystem?
- 13) In systems theory what is the difference between an 'open system' and a 'closed system'?
- 14) Describe the four trophic levels.
- 15) Diagram energy flow in an ecosystem.
- 16) Describe the difference between autogenic and allogenic change.
- 17) Are ecosystems stable or dynamic? Describe what you mean.
- 18) What do we mean by redundancy in an ecosystem?
- 19) Why are there few examples of mutualism between plants?