

## Bio quiz 8

1. Which of these processes is responsible for leaves being considered sugar sources?
  - Photosynthesis
2. \_\_\_\_\_ transport(s) sugars from leaves to, for example, taproots.
  - Phloem
3. Sugar moves from leaves into the \_\_\_\_\_ of \_\_\_\_\_ by \_\_\_\_\_.
  - Sieve-tube members...phloem...active transport
4. The water pressure that pushes water and sugar from sugar source to sugar sink is referred to as \_\_\_\_\_.
  - Bulk flow
5. Water moves into phloem by \_\_\_\_\_.
  - Osmosis
6. At a sugar sink, sugar is removed from phloem by \_\_\_\_\_.
  - Active transport
7. In a sugar sink, such as a taproot, sugar is converted into \_\_\_\_\_.
  - Starch
8. \_\_\_\_\_ is responsible for the movement of sugars from leaves to taproots; \_\_\_\_\_ is responsible for the movements of sugar from taproots to leaves
9. Why aren't epidermal cells of roots coated with cuticle?
10. As sieve-tube elements mature, something happens to them that makes them different from other cells. What is it?
11. How can you determine the approximate age of a tree growing in temperate climates?
12. Photosynthesis occurs in the \_\_\_\_\_.
- 13.
- 14.
- 15.