Adaptations of Plants to Land

Use the textbooks and the following page references to answer the questions below. *Miller/Levine:* pages 450-451, 456, 468-469, 504. *Nelson:* pages 256-257.

1.	What were some demands or problems that plants encountered to live on land?
2.	Define the following adaptations that plants made: a. Cuticle –
	b. Roots –
	c. Stems –
	d. Leaves –
	e. Stomata (stoma)
	i. Guard cells –
	f. Xylem –
	g. Phloem –

Land plants have the advantage over aquatic plants of being exposed to direct sunlight, having an internal transport system (xylem and phloem), and reproduction no longer depends on water (they developed flowers, pollen and seeds which protect the zygote from drying out).