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Bio. 463

STUDY QUESTIONS FOR:

Norby et al. 2005

What is the “CO₂ fertilization” effect and how might it slow the rate at which CO₂ levels increase in the atmosphere?

Forests account for about what percentage of terrestrial NPP?

How much (by what percentage) did the NPP of the young forests included in this study increase when CO₂ levels were increased to 550 ppm?

What is LAI (may need to Google it to get a complete understanding) and how did it influence the factors that contributed to observed changes in NPP?

What factors may be important in determining site specific responses of forest NPP to rising CO₂?

Why is it important to know the fate of C entering an ecosystem as NPP (i.e. how it is partitioned among various plant organs)?