

Forest Stand Development Worksheet

1. What is a stand?

2. Which parts of a tree stem are responsible for these functions:

- a. Water transport from roots to crown:
- b. Sugar transport from crown to roots:
- c. New stem growth:

3. What initiates the forest development cycle?

4. What is succession?

5. Fast-growing, shade-intolerant species that first colonize a disturbed site are called what type of species?

6. What are the four basic stages of forest development?

- 7. When do site resources become limited? What happens when approaching those limits?**

- 8. What happens if a stand is left too dense for too long?**

- 9. What does “high-grading” mean and why is it ecologically deleterious? What is another common term for this?**

- 10. In early seral stages, are stands in western Washington usually even or uneven-aged? Why is this significant? When does this change?**

- 11. How does stand development differ between natural disturbance and regeneration and clearcutting and planting? Why is this significant?**

