NAME:					
Answer as concisely as possible. Grading is on a 100 point scale with 105 total points possible.					
1.	For tree species from Day 1 , list the Genus and specific epithet of each described below (2 points if				
	full name is correct, 10 points total) Spelling can be creative, but	ut don't push it.			
Qu	estion	Genus	specific epithet		
A.	The simple alternate leaf of this angiosperm is less notable				
	than its tan prickly twigs and bark.				
В.	This northeastern angiosperm has aromatic twigs and				
	peeling, flammable bark.				
C.	This angiosperm goes by 3 common names, one due to a				
	bark trait, one for the leaf shape, and one or herbivory.				
D.	This tree from California and Oregon has scale-like leaves				
	that make it a popular ornamental.				
Ε.	This angiosperm that reaches about 100 ft tall is valued for				
٠.	furniture and gunstocks, and is browsed by ungulates.				
	Tarriture and ganstooks, and is showsed by angulates.				
2.	For tree species from Day 2 , list the Genus and specific epithet	of each described	I helow (2 noints if		
	full name is correct, 10 points total) Spelling can be creative, but	-	Delett (2 points i)		
Qu	estion	Genus	specific epithet		
	This dioecious circumpolar gymnosperm is often shrub-like				
Α.	with linear to lanceolate leaves.				
В.	This tree lives up to 3,200 years, is extremely large, and				
	derives its name from Cherokee for 'big tree'.				
C.	This northwestern gymnosperm has scale-like leaves, and is				
	used for decking among other products.				
D	This species is found within 50 miles of the Pacific coast and				
υ.	reaches heights in excess of 350 feet.				
_	-				
E.	This obligate wetland species is the only member of its genus				
	on the east coast.				
3.	For tree species from Day 3 , list the Genus and specific epithet	•	l below (2 points if		
	full name is correct, 10 points total) Spelling can be creative, but	•			
Qu	estion	Genus	specific epithet		
A.	The helical fruits of this angiosperm are its most distinct				
	feature.				
В.	This Californian angiosperm grows to 60 feet tall and often				
	grows with grey pine on xeric sites.				
C.	Before being mostly extirpated from the eastern mountains,				
	this was a valuable timber and wildlife species.				
D.	This Pacific coast angiosperm is a shade tolerant climax				
	species that has been used for its bark.				
E.	This angiosperm found at mid-elevations in the Great Basin				
	Desert only reaches 30 feet tall, but is a deer browse.				

4. For tree species from **Day 4**, list the Genus and specific epithet of each described below (2 points if full name is correct, 10 points total) Spelling can be creative, but don't push it. Question Genus specific epithet A. The bracts on the cones of this species are diagnostic. It is easily killed by fire, and is only native to California. B. This Appalachian gymnosperm is a popular Christmas tree, although it has adelgid problems in its native range. C. This broadly distributed eastern Angiosperm has light weight, rot resistant wood and pinnately compound leaves. D. The ski-track looking bark on this Appalachian angiosperm is a good identification feature. E. The silver fuzzy terminal bud is a great ID feature for this eastern Angiosperm. 5. For tree species from **Day 5**, list the Genus and specific epithet of each described below (2 points if full name is correct, 10 points total) Spelling can be creative, but don't push it. Question Genus specific epithet A. This species grows in the California and Oregon mountains, and is found at timberline. It is named for its bark. B. This northwestern tree grows to 270 feet in height, has 1 inch needles, and is a popular Christmas tree. C. This high elevation tree w/ shallow roots is intolerant of fire, and is predominantly regenerated by fine-scale windthrow. D. This circumpolar boreal species is found in very wet, boggy sites, and is a highly managed pulpwood species. E. This deciduous species is found in the Inland Empire region of the western US. It is an early successional species. 6. For tree species from **Day 6**, list the Genus and specific epithet of each described below (2 points if full name is correct, 10 points total) Spelling can be creative, but don't push it. Question Genus specific epithet A. This is the oldest tree in the world, at more than 5000 years. B. This species from the desert southwest has 2-4 needles per fascicle and reaches only 66 feet tall at its largest. C. The pyramidal and distinct apophyses of the cones of this species from California and Oregon make ID easy. D. This broadly distributed western species has 4 subspecies, one of which gives it its specific epithet. E. This primarily Alaskan species is the largest member of its genus in the world.

7. For tree species from **Day 7**, list the Genus and specific epithet of each described below (2 points if full name is correct, 10 points total) Spelling can be creative, but don't push it. Question Genus specific epithet A. This tree has 5 needles per fascicle and resin-covered cones with unarmed umbos. B. This tree has 2 needles per fascicle that will break if folded in C. This high elevation species with 5 needles per fascicle is known for its ability to avoid breaking branches in high wind. D. This tree has one needle per fascicle. E. This tree is native to just 3 counties in California, yet is one of the most important plantation timber species globally. 8. For tree species from **Day 8**, list the Genus and specific epithet of each described below (2 points if full name is correct, 10 points total) Spelling can be creative, but don't push it. Question Genus specific epithet A. This tree has 5 needles per fascicle and resin-covered cones with unarmed umbos. B. This tree is being decimated in the Appalachian mountains by wooly adelgid. C. Pando, a large clone in Utah, is the world's heaviest genetic organism. D. This species has about 5 million acres of plantations in the Pacific Northwest. E. This tree was the first to get its genome sequenced.

9. For tree species from **EUROPE or ASIA**, list the Genus and specific epithet of each described (1 point if full name is correct, 8 points total) Spelling can be creative, but don't push it.

Question	Genus	specific epithet
A. Invasive in the US, the pulp from this Chinese angiosperm has been used historically for crafts.		
B. Very similar to an angiosperm we learned in lab, this species is being sold in the east b/c it is resistant to anthracnose.		
C. Orange bark on this gymnosperm is a good identification feature. Many of them have been planted in the northeast.		
D. Extinct in the wild, this is now a popular urban tree globally, although the females can create a nuisance when coning.		
E. The country of Turkey leads the world in export of nuts produced from this small shrub.		
F. The silver leaves on this angiosperm are the best way to identify it if you should see it in the western US.		
G. This widespread angiosperm is important for wildlife, and responds well to pollarding in its native range.		
H. The poor form of this urban angiosperm makes it problematic when planted along with others in its Genus.		

10. For tree species from **the SOUTHERN HEMISPHERE**, list the Genus and specific epithet of each described (1 point if full name is correct, 8 points total) Spelling can be creative, but don't push it.

Question Genus specific epithet A. This angiosperm has a unique adaptation that allows it to 'steal' the position of a dominant canopy tree in the forest. B. This gymnosperm, sacred to the Maori people, is now primarily protected in parks in New Zealand. C. The common name of this angiosperm roughly translates to 'burning ember' from its native Portugese. D. This angiosperm is extremely important to the tropical pulp markets as a plantation species. Its leaves are blue-green. E. This is the oldest and tallest gymnosperm on its continent. It is also monotypic. F. These angiosperms are known as the 'lighthouses of Patagonia'. Their wood is low-density and relatively soft. G. This shrubby angiosperm is well-adapted to tolerate high salt levels and fluctuation water tables found on the coast. H. The English common name of this gymnosperm has little to do with its ecology. This is a hardy species from Chile.

11. Identify and explain 3 different sources of variation we observe within a tree species. (6 points)			
12. Define the following terms. (3 points)			
raceme:			
reniform:			
dendrology:			

____ points