Super Bonus 1: Trees

Part I: Family Trees
1. What is the longest fully tracked family tree known today? Confucius’
2. In what way were Charles II of Spain’s parents related? (Among other ways….) Uncle and niece
3. How many unique great-grandparents did Alfonso XII of Spain have? 4
4. According to Genesis, Abraham descended from which of Noah’s sons? Shem
5. What makes the Targaryen family tree unique in Westeros? Siblings frequently married each other

Part II: Language Trees
6. What are the two subfamilies of Tolkien’s Elvish languages? Avarin and Eldarin
7. What is the closest surviving relative of the English and Scots languages? Frisian
8. The Malagasy language, spoken in Madagascar, is a member of what language family? Austronesian
9. Finnish and Hungarian are both members of what major language family? Uralic (Can also accept Finno-Ugric)
10. What language of the same family as Finnish and Hungarian was Shakespeare originally written in, according to science fiction lore? Klingon
11. What famous language isolate is found in France and Spain? Basque

Path III: Regular trees
Trees associated with places:
12. Canada: Maple
13. Lebanon: Cedar
14. Oregon: Redwood
15. Malta: Palm
16. China: Ginkgo
17. England: Royal Oak
18. Germany: Oak
19. Russia: Siberian Fir
20. Israel: Olive
21. Japan: Cherry

Superlatives. Biggest, tallest, oldest, widest roots, most extreme conditions
22. What type of tree are the oldest trees in the world? Bristlecone pines
23. Where is the oldest one located? California
24. What is the largest living single stem tree by volume on earth? General Sherman
25. Where is it located? California
26. What is the tallest living tree? Hyperion Tree
27. Where is it located? California
28. What species is it? Coast Redwood
29. What is the widest tree in terms of canopy area? The Great Banyan
30. Where is it located? India - fooled you!
31. What is the heaviest known organism? Pando
32. What species is it? Quaking Aspen
33. What sex is it? Male
34. Where is it? Utah
35. The record for rooting depth is held by a Shepherd’s Tree located in what desert? Kalahari

General Trees
36. Disease that has devastated American and European elm trees. Dutch Elm Disease
37. What animal is the vector for the disease? (Elm bark) Beetle
38. Theory that explains how trees manage to pull water from roots to leaves. Cohesion-Tension Theory
39. Tree growing on a tree. Epiphyte
40. A specimen of this “living fossil” species, also known as the maidenhair tree, may be found on a path near the Mission Park dorm at Williams College. Gingko biloba
41. The earliest tree-like organisms, including tree ferns and horsetails, emerged in this geologic period, when many coal beds were formed. Carboniferous

Part IV: Marijuana
42. How many blunts per day did Snoop Lion claim to smoke daily in his 2012 Reddit AMA? 81
43. What is THC an abbreviation for? Tetrahydrocannabinol
44. On which continent did cannabis originally grow? Asia
45. How would Arrested Development’s George Michael Bluth take his weed? Smoke it like a cigarette

Part V: Fictional/Mythological Trees
46. Norse Tree Yggdrassil
47. World of Warcraft Tree Nordrassil
48. LOTR trees Ents
49. Pokemon professor trees Oak, Elm, Birch
50. Dr. Seuss’s speaker for the trees The Lorax
51. Harry Potter tree The Whomping Willow
52. Mayan tree wacah chan or yax imix che
Part VI: Visualizations

A. Word Bank: Pine, Tulip, Red Algae, Sea Lettuce, Oak, Tobacco, Liverwort, Moss, Kelp, Clubmoss, Spikemoss, Euglena, Horsetail, Tree Fern, Yeast, Ginkgo
   A. Red Algae
   B. Sea Lettuce
   C. Liverwort
   D. Moss
   E. Clubmoss
   F. Spikemoss
   G. Horsetail
   H. Tree Fern
   I. Ginkgo
   J. Pine
   K. Tulip
   L. Oak
   M. Tobacco
ii. A. Word Bank: Horseshoe Crab, Velvet Worm, Millipede, Lobster, Monarch Butterfly, Nematode, Water Bear, Octopus, Earwig, Black Widow Spider
   A. Horseshoe Crab
   B. Black Widow Spider
   C. Millipede
   D. Lobster
   E. Earwig
   F. Monarch Butterfly
iii. A. Word Bank: Lungfish, Sea squirt, Lamprey, Ostrich, Opossum, Great White Shark, Starfish, Crocodile, Human, Sea Urchin, Rabbit Fish, Coelacanths, Lancet, Salmon, Salamander, Echidna
   A. Lancet
   B. Sea squirt
   C. Lamprey
   D. Great White Shark
   E. Rabbit Fish
   F. Salmon
   G. Coelacanth
   H. Lungfish
   I. Salamander
   J. Human
   K. Opossum
   L. Echidna
   M. Crocodile
   N. Ostrich
A. Word Bank: Kangaroo, North American Porcupine, Panther, Wolf, Human, Armadillo, Shrew, Sea otter, Tree Shrew, Pangolin, Whale, Elephant, Bear, Rabbit, Mouse, Sloth
   A. Shrew
   B. Whale
   C. Pangolin
   D. Panther
   E. Bear
   F. Sea Otter
   G. Wolf
   H. Human
   I. Tree Shrew
   J. Rabbit
   K. Mouse
   L. North American Porcupine
A. Word Bank: Macaque, Orangutan, Gorilla, Aye-Aye, Chimpanzee, Bonobo, Gibbon, Human, Marmoset, Flying Lemur, Tree Shrew
   A. Aye-Aye
   B. Marmoset
   C. Macaque
   D. Gibbon
   E. Orangutan
   F. Gorilla
   G. Human
   H. Chimpanzee
   I. Bonobo
53. Any Potter fan knows that the Black family is obsessed with the purity of its family tree. When members of the family stepped out of line, they were “burned” from the family tree. Try to fill in these mudbloods and rejects.

The Noble and Most Ancient House of BLACK

(there are many stories between the lines)

Credits: Aberforth the Manauver (intelligence), Marco Bartoloni (tree design), Lisa Bunker (crest); after a tree drawn by J.K. Rowling.
Key (removed from tree)

1: Isla Black, who 'married muggle Bob Hitchens'
2: Phineas, who 'supported muggle rights'
3: Marius, 'a squib'
4: Cedrella, who 'married Septimus Weasley'
5: Alphard, who 'gave gold to his runaway nephew'
6: Sirius, who 'ran away'
7: Andromeda, who 'married muggle Ted Tonks'