

1. Do you talk to your plants? Why or why not?
2. How was the book, “The Secret Life of Plants,” destructive?
3. Do plants actually have neurons and brains? If not, why do we use those terms in regards to plants?
4. How many senses do plants have? Give some examples.
5. List two chemicals that plants produce that we use as neurotransmitters.
6. What were Mimosa plants able to do after being dropped several times?
7. What was the most incredible thing about the Mimosa’s “memory” experiment?
8. How did Michael define “conscious” in regards to plants (something that a stone cannot do)?
9. Look up the word “intelligence” on dictionary.com. How many definitions are there? Could any of those definitions be used to argue that plants are intelligent? If so, which ones? If not, why not?
10. Do you think intelligence should be added as a characteristic of life? Justify your answer.
11. Where was epigenetic memory first identified? (In which kingdom of organisms?)
12. Based on Michael’s discussion of epigenetics in humans, define “epigenetics” in your own words.
13. Why did ten journals reject the Mimosa study paper?
14. Which chemical is produced by plants in response to pain that acts as an anesthetic?
15. Why is pain called “adaptive?”
16. What characteristics of plants make them so resilient? List at least two
17. What should we be designing based on plants instead of animals?
18. Describe the “network” of fir forests. What does that mean, that plants are “networked?”
19. What drives the plant scientists crazy?
20. What part of this podcast did you find most interesting? Why?