

1. Is there anywhere in the world that plants do not live? If so, list where.
2. What animal is attracted to the berries of the quinine bush?
3. The berry takes 72 hours to digest. What advantage does this have for the seed?
4. How do the quinine seeds bribe ants into saving them from being burned in fires?
5. Though an oak tree may produce acorns for over a hundred years, how many acorns survive and grown into a new tree?
6. For flowering plants (angiosperms), what is the advantage in producing fruits?
7. Bats are attracted to figs by the fig's \_\_\_\_\_ .
8. How does the strangler fig reach the ground?
9. How does a melon end up underground?
10. How do the melons gets eaten and the seeds passed on?
11. Why is the calvaria tree of Mauritius doomed to extinction?
12. Besides animals, in what other ways are seeds dispersed?
13. In the movie "Alien," when a human comes near a pod, it opened and ejected a crab-looking creature. What triggers the pods of Namibia to open?
14. How do coconut seeds travel?
15. The fruit of the Coco de Mer palm is the world's largest/smallest. (circle one)
16. How do wild oats sow themselves?
17. What animal does the Devil's Claw clamp onto?
18. The burdock plant gave one Swiss scientist the idea for what clothing product?
19. Are we slaves to plants?

## ANSWERS

Video Viewing Guide: "The Seedy Side of Plants"

n \_\_\_\_\_ d \_\_\_\_\_ p \_\_\_\_\_

1. Is there anywhere in the world that plants do not live? If so, list where.

**No. Plants have colonized the entire world.**

2. What animal is attracted to the berries of the quinine bush?

**the emu**

3. The berry takes 72 hours to digest. What advantage does this have for the seed?

**It travels far from the parent plant and is bathed in poo.**

4. How do the quinine seeds bribe ants into saving them from being burned in fires?

**The ants take the seeds down into their colony to eat the fatty nodules. Then the ants return the seeds to the surface after the fire.**

5. Though an oak tree may produce acorns for over a hundred years, how many acorns survive and grown into a new tree?

**a few**

6. For flowering plants (angiosperms), what is the advantage in producing fruits?

**Fruits tempt animals into eating them and inadvertently dispersing the seeds.**

7. Bats are attracted to figs by the fig's \_\_\_\_\_ .

**smell**

8. How does the strangler fig reach the ground?

***The students may miss this question, as they still may be grossed out and excited about the poo.***

**The plant sends its roots down to the ground to proliferate.**

9. How does a melon end up underground?

**A stem drills down into the ground after the flower is fertilized. There, it develops into a fruit.**

10. How do the melons gets eaten and the seeds passed on?

**An aardvark digs up the melon for water and eats it, pooping out the seeds.**

11. Why is the calvaria fruit tree doomed to extinction?

**Dutch explorers destroyed all the animals (or more specifically the dodo bird) for which the fruits were designed to attract. Without the animal to help propagate the plant, it is doomed to extinction.**

12. Besides animals, in what other ways are seeds dispersed?

**By wind, rain, animals. . .**

13. In the movie "Alien," when a human comes near a pod, it opened and ejected a crab-looking creature. What triggers the pods of Namibia to open?

**Rain**

14. How do coconut seeds travel?

**By the ocean currents**

15. The fruit of the Coco de Mer palm is the world's largest/smallest. (circle one)

**Largest**

16. How do wild oats sow themselves?

**They burrow into the ground to escape being eaten.**

17. What animal does the Devil's Claw clamp onto?

**Deer**

18. The burdock plant gave one Swiss scientist the idea for what clothing product?

**Velcro**

19. Are we slaves to plants?

**Opinions will vary.**