

Invasive Species Test Answer Sheet: Fairfax Invitational 2017

Team Name _____ Team # _____

Student Names _____

Raw Score: _____/72 pts Rank: _____

THIS IS THE ONLY SHEET THAT WILL BE GRADED! ALL ANSWERS MUST BE ON THIS PAGE!

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You will have 3 minutes to spend at each station. Use the images or specimens present at each station to identify the species and answer the questions about each. If time permits, you will have time to return to these stations briefly.

SPECIES 1:

1. Identify the SCIENTIFIC NAME of this species. (2 pts)
2. Describe at least TWO adaptations that make this organism such a prolific invasive. (2 pts)
3. Identify the date and location of the first record of this invasive in the United States. (2 pts)

SPECIES 2:

4. Identify the SCIENTIFIC NAME of this species. (2 pts)
5. Describe this species' history and location as an invasive, particularly with regard to North America. (3 pts)
6. Describe this species' potential economic impacts. (2 pts)

SPECIES 3:

7. Identify the SCIENTIFIC NAME of this species. (2 pts)
8. Describe the state that has been most affected by this invasive. How does this invasive's impact there compare with other states? (2 pts)
9. This species is especially effective at dispersing itself. Describe its dispersal strategies. (2 pts)

SPECIES 4:

10. Identify the SCIENTIFIC NAME of this species. (2 pts)
11. This species has had an extremely negative impact on a valuable national park in the United States. Identify this national park and describe this species' impact on it. (3 pts)
12. Despite this species' efficiency as an invasive, it is somewhat geographically isolated. Explain why this species has trouble spreading to other areas of the United States. (2 pts)

SPECIES 5:

13. Identify the SCIENTIFIC NAME of this species. (2 pts)
14. Describe the area of the United States most affected by this species. Include the impact made by this species in the area. (3 pts)
15. There are several closely related species of this organism in its invasive range. Explain why the presence of closely related species makes this invasive an even greater threat. (2 pts)

SPECIES 6:

16. Identify the SCIENTIFIC NAME of this species. (2 pts)
17. Is this species annual, biennial, or perennial? Explain. (2 pts)
18. Explain how this species is able to quickly spread across large regions. (2 pts)

SPECIES 7:

19. The introduction of some invasives can have a cascading effect on an ecosystem that provides opportunities for other invasive species to establish themselves. Identify the invasive species that has benefited from the presence of the pictured animal in North America, and describe how the pictured invasive species has altered the ecology of its new habitat to the benefit of the other invasive. (3 pts)
20. Describe at least ONE effective means of controlling this species' impact. (2 pts)

SPECIES 8:

21. Identify the SCIENTIFIC NAME of this species. (2 pts)
22. Even after initial damage, this species can still proliferate. Describe this species' long-term viability. (2 pts)
23. Describe the economic impacts of this species. (2 pts)

SPECIES 9:

24. Identify the SCIENTIFIC NAME of this species. (2 pts)
25. Describe the economic impact of this species, and how this impact is linked to the species' natural behavior. (2 pts)
26. Describe the legislation that has been enacted to help control the spread of this species.. (2 pts)

SPECIES 10:

27. Identify the SCIENTIFIC NAME of this species. (2 pts)
28. This species had been established as a mild pest for nearly 100 years in the United States before their activities became a great concern. Explain this new found interest in this species. (2 pts)
29. What stage of this species' life cycle is shown? Support your answer. (2 pts)

SPECIES 11:

30. Identify the SCIENTIFIC NAME of this species. (2 pts)
31. This species has slowly expanded its range in the United States. Explain the most likely spread of this organism to other states. (2 pts)
32. Explain how this species avoids being eaten by native organisms. What is the resulting consequence for the ecosystem? (2 pts)

SPECIES 12:

33. Identify the SCIENTIFIC NAME of this species. (2 pts)
34. Describe at least TWO reproductive adaptations that make this species such a successful invasive. (2 pts)

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TIE-BREAKERS!!!!!!

Only complete these if you are done with the rest of the test! **You may answer directly on this page.**
Identify the **SCIENTIFIC NAME** of each species pictured below:



Genus: _____ G: _____

G: _____

Species: _____ S: _____

S: _____



G: _____

G: _____

G: _____

S: _____

S: _____

S: _____



G: _____

G: _____

G: _____

S: _____

S: _____

S: _____