

Invasive Species Test Answer Sheet: Battle for Valley Forge Invitational 2017

Team Name _____ **Team #** _____

Student Names _____

Raw Score: _____/68 pts **Rank:** _____

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

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**Tie-breakers may be answered
on the tie-breaker page**

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 the greatest ecological concern posed by this species' ability to quickly populate an ecosystem. (2 pts)
3. Identify a potential ecological benefit of this species. (2 pts)

SPECIES 2:

4. Identify the SCIENTIFIC NAME of this species. (2 pts)
5. Describe the events that led to this invasive species becoming established in the United States. (2 pts)
6. Explain how this species is able to quickly spread across large regions. (2 pts)

SPECIES 3:

7. Identify the SCIENTIFIC NAME of this species. (2 pts)
8. Identify at least TWO commercially important species impacted by this invasive (use common names). (2 pts)
9. Describe a possible biological control for this species. (2 pts)

SPECIES 4:

10. Identify the SCIENTIFIC NAME of this species. (2 pts)
11. The feeding behavior of this species can have a cascading effect on food webs that can result in a nonviable habitat. Describe specific behaviors and consequences of this species that could plausibly lead to a dead ecosystem. (3 pts)

SPECIES 5:

12. Identify the SCIENTIFIC NAME of this species. (2 pts)
13. Describe the complications involved with eradication of this species. (2 pts)
14. While not an invasive species, white-tailed deer have become more and more of a nuisance with the expansion of human habitation. Describe how the presence of this species can impact white-tailed deer. (2 pts)

SPECIES 6:

15. Identify the SCIENTIFIC NAME of this species. (2 pts)
16. Describe this invasive's history in the United States, including its impact. (3 pts)
17. Describe the necessary methods needed to contain this invasive. (2 pts)

SPECIES 7:

18. A family is enjoying a weekend snorkeling off their grandfather's fishing boat in southern Florida. When the youngest swimmer returned to the boat to show her grandfather a picture of this invasive, her grandfather responded "durn things, people need to mind their ballast!" What the heck is he talking about? Explain what granddad is talking about in detail. (3 pts)
19. After grand dad's outburst, he leapt into the water with a harpoon and returned with the species in question skewered muttering "durn things gunna put me in the poor home." Once again, explain, in detail, what he means. (2 pts)

SPECIES 8:

20. Identify the SCIENTIFIC NAME of this species. (2 pts)
21. Describe how this species impacts native organisms. (2 pts)
22. This species poses a particular fire threat to areas where it is invasive. Describe this fire risk. (2 pts)

SPECIES 9:

23. Identify the SCIENTIFIC NAME of this species. (2 pts)
24. The natural form of this species is much less invasive than strains produced by humans. Describe at least one advantage this human-made strain has over its natural counterpart. (2 pts)
25. Describe a potential biological control for this species. (2 pts)

SPECIES 10:

26. Identify the SCIENTIFIC NAME of this species. (2 pts)
27. Describe the major economic impact of this species. (2 pts)

SPECIES 11:

28. Identify the SCIENTIFIC NAME of this species. (2 pts)
29. Describe the infestation pattern for this species. (2 pts)
30. Describe this invasive's impact on its ecosystem. (2 pts)

SPECIES 12:

31. Identify the SCIENTIFIC NAME of this species that will most likely impact the pictured animal. (2 pts)
32. Describe the invasive's effect on the pictured animal. (2 pts)
33. How can human activity encourage the spread of the invasive species? (2 pts)

Team Name _____ Team # _____

Student Names _____

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: _____