

2020 United States Geography Olympiad - Map Examination (Middle School)

Student Name _____ School _____

General instructions - Respond to each of examination questions in the space provided. Only answers written in the appropriate space on the answer document will be marked. Where appropriate, you should write sentences or phrases instead of single words. If a question or section asks for a specific number of reasons or answers, give only the number of answers specified. Please write clearly and legibly.

Section 1 - [20 points]

1. Define the term invasive species. (3 points)
2. Identify all of the following that are considered invasive species in the United States – kudzu, cane toads, domestic pigeons, Burmese pythons, soybeans, zebra mussels, razor clams, brown tree snake (5 points)
3. This map shows the spread of wild pigs in the United States. In a paragraph, describe the spread of wild pigs in the United States. Where did they start? Where have they spread since? Where are they likely to go in the future? (6 points)
4. Name three reasons why wild pigs are such a dangerous and destructive invasive species. (3 points)
5. What is one important way that species like wild hogs, lionfish, Asian carp, rusty crayfish and nutria might be used in a beneficial way in the United States that would also control their populations? (3 points)

Section 2 - [15 points]

6. Define the term contour line. (3 points)
- Using the map provided answer the following questions.
7. What is the contour interval of this map in feet? (answer using a number only) (1 point)
 8. Which of these points on the map is the highest? (1 point)
 9. Which side of Basket Dome is the steepest? (1 point)
 10. Explain how you know based on the map which side of Basket Dome is the steepest. (2 points)
 11. Rounding to the nearest 100 feet, what is the elevation change between X and Y? (2 points)
 12. Rounding to the nearest 100 feet, what is the elevation change between X and A? (2 points)
 13. In what direction does Tenaya Stream flow? (1 point)
 14. Explain how you know based on the map that Tenaya Stream flows in the direction you chose. (2 points)

Section 3 - [15 points]

15. In a paragraph, describe three reasons why some countries have a population growth rate above 2%. (6 points)

16. Which area of South America has the highest population growth rate on the continent? (2 points)

Answer the following T/F statements. (1 point each)

17. The United States has a shrinking population.

18. Several countries in the Americas have growth rates over 4%.

19. Portugal, Spain and Italy have shrinking populations.

20. Many of the world's fastest growing countries are in sub-Saharan Africa.

21. No Asian countries have shrinking populations.

22. Ireland has a higher population growth rate than the UK.

23. Australia's population is growing at a rate above 2%.

Section 4 - [10 points]

24. Which biome is marked by number 1 on the map? (1 point)

25. Which biome is marked by number 2 on the map? (1 point)

26. Describe two characteristics of the biome located at number 2. (2 points)

27. Which biome is marked by number 3 on the map? (1 point)

28. Which biome is marked by number 4 on the map? (1 point)

29. Describe two characteristics of the biome located at number 4. (2 points)

30. Which of these biomes is currently the most drastically effected by climate change? (2 points)