

Name: _____

Chapter quizzes for Texas high school and middle school programs

Chapter 1: ABOUT THE INVADERS OF TEXAS PROGRAM

1. Invasive plant species can?

- A. Be helpful for the environment
- B. Reduce the abundance of native species
- C. Cost millions of dollars in management
- D. B and C

Answer: _____

2. E. O. Wilson once said what?

- A. Invasive species should not be bothered with
- B. Invasive species are the second leading cause of native plant extinction
- C. Invasive plants create jobs
- D. Invasive plants are beneficial to the human population

Answer: _____

3. The Invaders of Texas Program trains what?

- A. Economist
- B. Government officials
- C. Junior high students
- D. Citizen scientists

Answer: _____

4. The goal of the Invaders of Texas program is what?

- A. Create baseline distribution maps of invasive species in Texas
- B. Create partnerships in Texas
- C. Provide information about invasive species in Texas
- D. All of the above

Answer: _____

5. By joining this program you will?

- A. Help "Stop the Spread" of invasive plants
- B. Plant invasive species
- C. Cure diseases
- D. Both A and C

Answer: _____

Chapter 2: INTRODUCTION TO INVASIVE SPECIES

1. What is an invasive species?

- A. A non-native to the ecosystem in consideration and causes or is likely to cause economic or environmental harm or harm to human health Be helpful for the environment
- B. Humans
- C. Organisms crossing land bridges
- D. None of the above

Answer: _____

2. How can you help "Stop the Spread" of invasive plants?

- A. Volunteer
- B. Educate yourself and others
- C. Do not be a means of dispersal
- D. All of the above

Answer: _____

3. Which choice is not Plantwise?

- A. Use non-invasive plants
- B. Share invasive plants with neighbors
- C. Keep an eye out for sprouts and volunteers
- D. Use seed mixes that do not contain invasive plants

Answer: _____

4. The latest National Geographic article on invasive species, estimated the cost of management in the U.S. is approximately how much?

- A. \$5
- B. \$1,000
- C. \$100 million
- D. \$135 billion

Answer: _____

5. Invasive species are a concern because they?

- A. Spread rapidly and overtake native plants
- B. Smell nicely
- C. Provide food for humans
- D. Are pretty

Answer: _____

Chapter 3: FIELD PREPERATION

1. Citizen Scientist should ask permission to enter private property.

- A. True
- B. False

Answer: _____

2. When in field you should not?

- A. Work in groups
- B. Wear sandals
- C. Carry a cell phone
- D. Bring sunscreen

Answer: _____

3. In Texas, you should ignore the weather before going into the field.

- A. True
- B. False

Answer: _____

4. Before heading into the field you should?

- A. Check your batteries in GPS and camera
- B. Check the weather
- C. Pack plenty of water
- D. All of the above

Answer: _____

5. While in the field you should always have?

- A. Water
- B. AM/FM Radio
- C. iPod
- D. All of the above

Answer: _____

Chapter 4: SPECIES SELECTION

Bring in 5 samples of invasive plants in from the field. Create your own quiz in a lab style setting.

Some recommended species (easy to find throughout Texas):

Johnsongrass
Japanese honeysuckle
Chinaberry
Chinese tallowtree
Nandina
Giant reed
English ivy

Chapter 5: DATA COLLECTION

1. Data collection can be broken down into what two questions?

- A. How pretty does it look and how nice does it smells?
- B. How ugly is it and how large is the trunk?
- C. What is it and where is it?
- D. None of the above

Answer: _____

2. What is the Observation ID?

- A. Your social security number
- B. Your work password
- C. The number the database generates after you have entered your observation
- D. Your birthday

Answer: _____

3. You absolutely have to have a GPS unit to enter participate in the Invaders of Texas program.

- A. True
- B. False

Answer: _____

4. What goes in the *notes* section?

- A. Short description of plant
- B. Your children's names
- C. The location of the plant, including cross streets, a small description of the area, and any other information you find important
- D. How much you dislike the particular species

Answer: _____

5. Citizen scientist can record more than one species per observation.

- A. True
- B. False

Answer: _____

Chapter 6: USING GPS

1. What does GPS stand for?

- A. Global Positioning System
- B. Global Pricing Station
- C. Great Plant Society
- D. Global Placing System

Answer: _____

2. GPS units are accurate to the exact point on a map.

- A. True
- B. False

Answer: _____

3. For the purpose of our project, the geographical coordinates need to be set to what?

- A. Degrees, minutes, seconds
- B. Degrees, minutes
- C. Decimal Degrees
- D. Does not matter

Answer: _____

4. For the purpose of our project, the map datum category needs to be set to?

- A. NAD 83
- B. WGS 84
- C. UTM's
- D. Either A or B

Answer: _____

5. If there is a negative sign (-) in front of the number representing longitude, which hemisphere is the point located?

- A. Northern
- B. Southern
- C. Eastern
- D. Western

Answer: _____

Chapter 7: DIGITAL IMAGING

1. Digital imaging will be used for what purpose?

- A. Making money
- B. Entering into art shows
- C. Validation
- D. None of the above

Answer: _____

2. When making a species observation, how many pictures should you take?

- A. 1
- B. 2
- C. 5
- D. Many, to make sure you get a good one

Answer: _____

3. Photographs should always be in landscape orientation and not portrait orientation.

- A. True
- B. False

Answer: _____

4. Post production, such as cropping, is required before uploading.

- A. True
- B. False

Answer: _____

5. What can help with getting a better image of the individual plant being studied?

- A. Taking a picture of it amongst all other vegetation
- B. Using a background such as a clipboard to single out the plant in question
- C. Letting the wind blow the plant while photographing
- D. Bringing a professional photographer in the field with you

Answer: _____

Chapter 8: FINAL REVIEW

1. Invasive plant species can?

- A. Cost millions of dollars in management
- B. Reduce the abundance of native species
- C. Be helpful for the environment
- D. A and B

Answer: _____

2. The goal of the Invaders of Texas program is what?

- A. Create baseline distribution maps of invasive species in Texas
- B. Create partnerships in Texas
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7. Invasive species are a concern because they?

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- B. Spread rapidly and overtake native plants
- C. Provide food for humans
- D. Are pretty

Answer: _____

8. When in field you should not?

- A. Work in groups
- B. Bring sunscreen
- C. Carry a cell phone
- D. Wear sandals

Answer: _____

9. Before heading into the field you should?

- A. Check your batteries in GPS and camera
- B. Check the weather
- C. Pack plenty of water
- D. All of the above

Answer: _____

10. While in the field you should always have?

- A. iPod
- B. AM/FM Radio
- C. Water
- D. All of the above

Answer: _____

11. Data collection can be broken down into what two questions?

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- B. How ugly is it and how large is the trunk?
- C. What is it and where is it?
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Answer: _____

12. A citizen scientist can record more than one species per observation.

- A. True
- B. False

Answer: _____

13. What does GPS stand for?

- A. Global Positioning System
- B. Global Pricing Station
- C. Great Plant Society
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Answer: _____

14. If there is a negative sign (-) in front of the number representing longitude, which hemisphere is the point located?

- A. Northern
- B. Southern
- C. Eastern
- D. Western

Answer: _____

15. Digital imaging will be used for what purpose?

- A. Making money
- B. Entering into art shows
- C. Validation
- D. None of the above

Answer: _____

16. Name this species.

- A. Use a species from the field and create your own question
- B.
- C.
- D.

Answer: _____

17. What is the minimum requirement that must be entered into the "Notes" section of the datasheet?

- A. The color of the plant
- B. Cross-streets and name of location
- C. Description of the roadways
- D. Other species associated with the plant being recorded

Answer: _____

18. On the datasheet, where do you put the names of other people helping you in the field?

- A. Collector
- B. Date
- C. Notes
- D. You do not put their names on the datasheet

Answer: _____

19. Your recorded observations do not show up on public maps until they are validated.

- A. True
- B. False

Answer: _____

20. After completing this training you will now be able to record invasive species by signing into your profile and clicking "Add New Observation".

- A. True
- B. False

Answer: _____