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: D

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: B

3. The Invaders of Texas Program trains what?
   A. Economist
   B. Government officials
   C. Junior high students
   D. Citizen scientists

   Answer: D

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: D

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: A
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: A

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: D

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: B

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: D

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: A
Chapter 3: FIELD PREPERATION

1. Citizen Scientist should ask permission to enter private property.
   A. True
   B. False

Answer: A

2. When in field you should not?
   A. Work in groups
   B. Wear sandals
   C. Carry a cell phone
   D. Bring sunscreen

Answer: B

3. In Texas, you should ignore the weather before going into the field.
   A. True
   B. False

Answer: B

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: D

5. While in the field you should always have?
   A. Water
   B. AM/FM Radio
   C. iPod
   D. All of the above

Answer: A
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: C

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: C

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

   Answer: B

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: C

5. Citizen scientist can record more than one species per observation.
   A. True
   B. False

   Answer: B
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: A

2. **GPS units are accurate to the exact point on a map.**
   A. True
   B. False

   Answer: B

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: C

4. **For the purpose of our project, the map datum category needs to be set to?**
   A. NAD 83
   B. WGS 84
   C. UTMs
   D. Either A or B

   Answer: D

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: D
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: C

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: D

3. Photographs should always be in landscape orientation and not portrait orientation.
   A. True
   B. False

Answer: A

4. Post production, such as cropping, is required before uploading.
   A. True
   B. False

Answer: B

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: B
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: D

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
   - C. Provide information about invasive species in Texas
   - D. All of the above

   Answer: D

3. **E. O. Wilson once said what?**
   - A. Invasive species should not be bothered with
   - B. Invasive plants create jobs
   - C. Invasive species are the second leading cause to native plant extinction
   - D. Invasive plants are beneficial to the human population

   Answer: C

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

   Answer: D

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

   Answer: C
6. 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: D

7. Invasive species are a concern because they?
   A. Smell nicely
   B. Spread rapidly and overtake native plants
   C. Provide food for humans
   D. Are pretty

   Answer: B

8. When in field you should not?
   A. Work in groups
   B. Bring sunscreen
   C. Carry a cell phone
   D. Wear sandals

   Answer: D

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: D

10. While in the field you should always have?
    A. iPod
    B. AM/FM Radio
    C. Water
    D. All of the above

    Answer: C
11. Data collection can be broken down into what two questions?
   A. How pretty does it look and how nice does it smell?
   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: C

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

Answer: B

13. What does GPS stand for?
   A. Global Positioning System
   B. Global Pricing Station
   C. Great Plant Society
   D. Global Placing System

Answer: A

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: D

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: C

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: B

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: C

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

   Answer: A

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: A