

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: **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. UTM's
- 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**

### 4. 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**

### 5. What is an invasive species?

- 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**