

# Fantasy Theatre Factory

Presents



## ECO CHALLENGE

### Teacher Guidelines

*These Teacher Guidelines have been prepared in conjunction with Florida Sunshine State Standards.*

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*Activities and discussions are designed so educators can incorporate conservation into an environmental science curriculum. Fantasy Theatre Factory also offers additional workshops on using drama-across-the-curriculum in your classroom.*

### ABOUT THE SHOW:

Fantasy Theatre Factory brings your students a fun unique way to learn about conservation and practical ways to do their part to help the environment. The energetic game-show format is an interactive experience which encourages active listening in team participants as their peers cheer them on in the audience as everyone learns about the earth's needs from silly but educational characters. The game show hosts provide guidance so that students can recall the information they need to glean knowledge from the challenge.



### WHY A GAME SHOW?

*School is stressful enough without adding the pressure of competition, so why create teams and pit students against each other?*

Our show is presented in a safe, non-threatening way. Children will meet several silly characters representing different elements and creatures of the earth that explain how their roles and patterns of behavior have been altered due to climate change. Students won't realize they are actually doing some studying as they learn vital information and discover that learning can be fun. The show promotes the idea that being willing to learn is all they need; the game is always a tie because "when we learn" how to help the environment, "everyone wins"!





## **ECO CHALLENGE** QUESTIONS: (Answers are on the next page)

1. Name one of the three elements that come with hurricanes.
2. Name one of two things that are now making hurricanes stronger than ever.
3. Name one fact about heatwaves.
4. Name one fact about wildfires.
5. Name one threat to the polar bears' arctic habitat.
6. Why are invasive animals finding their way into the polar bears' habitat?
7. Name one [or all] of the five types of waste.
8. How many landfills are there in America today?
9. When plastic pollution goes into the ocean, does it:  
a. dissolve b. disintegrate c. break down d. none of the above
10. Name one single-use plastic item [besides a plastic bag] that might be found in the ocean.



### **Sunshine State Standards Addressed:**

#### **Kindergarten:**

SS.K.G.1.In.d Recognize a water feature on a map or globe.

SS.K.G.3.In.a Recognize basic land forms, such as hills and forests.

#### **1st Grade:**

SS.1.G.1.In.d Identify land and water on a map and globe, such as by using the color key—blue is water, and green/brown is land.

SC.1.L.17.In.a Observe and recognize that plants and animals need water and food.

#### **4th Grade:**

SC.4.L.16.Su.a Recognize that many flowering plants grow from their own seeds.

SC.4.L.17.In.b Recognize that animals cannot make their own food and they must eat plants or other animals to survive.

SC.4.L.17.Su.c Recognize ways that people can help improve the environment, such as cleaning up trash.



## ECO CHALLENGE ANSWERS: (Some may vary)

1. Winds, Lightning, Floods, Rain or Thunder
2. Warmer ocean temperatures or Sea level rise
3. Melt arctic ice, Advance sea level rise or Made stronger by greenhouse gases
4. Burns twice the area, 78 days longer or Dry hot conditions make them stronger
5. Global warming, Sea level rise, Melting sea ice or Invasive animals
6. Changes in their habitats (human development, loss of food sources) or warmer temperatures
7. Liquid, Solid, Organic, Recyclable, Hazardous
8. 2,500
9. d. none of the above
10. Water bottle, Swizzle stick, Toys, Jewelry, Toothbrushes, Fishing nets, etc.



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## THE CONSERVATION CONVERSATION

However simple or challenging the following exercises and discussions, any activity which opens up a conversation about the environment is never wasted. Children will become more aware of the world around them and their relationship to it. They will begin to understand how their interaction with the environment can have an impact on their future. Although the news about endangered animals, climate change and pollution is unpleasant, these conversations can show students the hope that lives through them and can encourage them to develop good life-long habits that can help the environment thrive.

### FOR DISCUSSION:

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#### IS THE CLIMATE OF THE WHOLE EARTH REALLY CHANGING?

*Yes! Earth has been getting warmer—and fast.*

Global climate is the average climate over the entire planet. And the reason scientists and folks like you are concerned is that Earth's global climate is changing. The planet is warming up fast—faster than at any time scientists know about from their studies of Earth's entire history.



#### WHAT IS CLIMATE?

*"Climate" describes conditions over the long term and over an entire region.*

Climate is the big picture. It is the big picture of temperatures, rainfall, wind and other conditions over a larger region and a longer time than weather. For example, the weather was rainy in Phoenix, Arizona, last week. But this city usually gets only about 7 inches of rain each year. So the climate for Arizona is dry. Much of Southern California also has a dry, desert climate. Brazil has a tropical climate, because it's warm and rains there a lot.



#### WHAT IS WEATHER?

*Weather is local and temporary.*

On our own Earth, we cannot control weather by turning a thermostat up to make it warmer or down to make it cooler. The best we can do is try to predict the weather. Weather scientists, called meteorologists, try to foresee what's going to happen next. Is that big black cloud going to let loose over San Francisco, or wait until it gets to Sacramento? Will that new storm forming in the Atlantic Ocean turn into a hurricane? Conditions are just right for tornadoes. Will any form? And where might they touch the ground and cause trouble? Weather happens at a particular time and place. Rain, snow, wind, hurricanes, tornadoes—these are all weather events.

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# BACK YARD

## SCAVENGER HUNT



ant



brown leaf



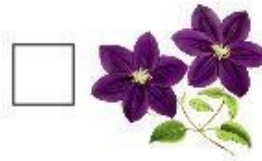
butterfly



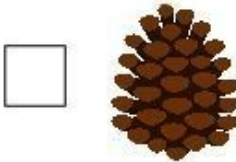
clover



cloud



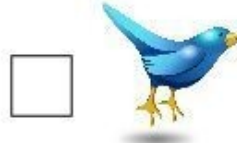
purple flower



pinecone



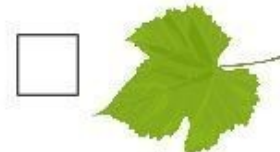
ladybug



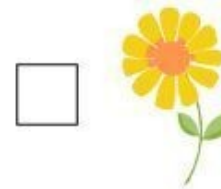
bird



grass



green leaf



yellow flower



feather



rock



sticks

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# ENVIRONMENTAL THREATS

1. MATCH THE CORRECT EXPRESSION WITH THE RIGHT PICTURE:

**DEFORESTATION - TOXIC WASTE - AIR POLLUTION - OZONE DEPLETION - ACID  
RAIN - DISPOSAL**





## Environment Word Search

G	P	O	L	L	U	T	I	O	N	T	I	O	N	T	T
S	I	L	I	G	H	E	N	E	R	G	Y	I	O	N	R
R	E	E	D	S	E	N	A	T	U	R	A	L	R	I	A
E	E	S	S	O	L	A	R	E	D	U	U	E	L	S	N
S	T	C	S	E	C	L	I	M	A	T	E	C	R	P	S
O	S	E	Y	A	K	P	H	U	L	A	T	E	M	O	P
U	E	N	A	C	G	H	E	N	E	G	U	U	O	N	O
R	E	N	A	T	L	Q	W	W	A	S	T	E	E	S	R
C	R	E	D	U	C	E	R	R	E	F	S	A	G	P	T
E	U	E	B	W	A	S	T	W	A	P	H	P	A	O	A
S	U	E	Y	O	Z	A	Z	U	R	A	L	U	B	N	T
G	A	B	C	I	T	S	A	L	P	A	P	E	R	S	I
I	T	O	P	T	L	T	M	A	T	E	M	A	A	P	O
S	A	A	G	A	B	C	L	I	G	H	T	P	G	O	N
D	F	U	E	L	I	M	A	E	H	A	L	I	M	A	L
I	M	A	L	H	P	H	G	E	D	U	C	G	A	B	C

POLLUTION

ENERGY

NATURAL

TRANSPORTATION

SOLAR

GAS

RESOURCES

REDUCE

PAPER

LIGHT

PLASTIC BAG

FUEL

GARBAGE

WASTE

CLIMATE

BOTTLE

METAL

RECYCLE

REUSE

PLANET





# HOW GREEN ARE YOU?



Do the quiz and find out if you behave in a proper way to help save our planet

1. Do you sort out glass, paper, plastic bottles and cans ?

- a  Yes , always.
- b  Sometimes.
- c  Never.



2. Do you buy organic or local food?

- a  Yes , always..
- b  Sometimes.
- c  Never, it's too expensive.



3. Do you use your own shopping bags?

- a  Yes , always
- b  Often
- c  Once in a while



4. Do you recycle light bulbs and used batteries?

- a  Yes , always.
- b  Sometimes.
- c  Never.



5. Do you always dispose of garbage in a proper way?

- a  Yes , always of course.
  - b  Most of the times
  - c  Sometimes
- I don't pay attention!



6. Do you switch off the lights when you leave a room?

- a  Yes , always.
- b  Sometimes.
- c  Never



7. Do you switch off other electric appliances at night? (TV ,computer..)

- a  Yes , always.
- b  Sometimes.
- c  Never



8. Do you put on warmer clothes when it's cold instead of putting on the heating at home?

- a  Yes , always.
- b  Sometimes.
- c  Never, I prefer putting the heating on more.



9. Do you have showers instead of baths?

- a  Yes , always.
- b  Often .
- c  Never



10. Do you close the tap while you brush your teeth?

- a  Yes , always.
- b  Sometimes.
- c  Never, I never think about it.



11. Do you use public transport or a bike or walk when possible?

- a  Yes , always.
- b  Sometimes.
- c  Never



12. Do you have and use a composter at home?

- a  Yes.( 2 pts)
- b  No . (0 pt)



## **ABOUT FANTASY THEATRE FACTORY**

Fantasy Theatre Factory (FTF) is a professional touring theatre created in New York in 1977 by Ed Allen and Mimi Schultz, performing artists and teachers. FTF is currently headed by Producing Artistic Director Larry Fields. FTF presents theatre for diverse family audiences. FTF's 16 touring educational shows appeal to pre-school, elementary, family, adult and senior audiences. FTF shows cover themes of: Children's Literature, Reading, Ecology, Social Service, Black history, Bullying Prevention, Dance, English, and Music. FTF performs in rural and inner-city schools, theatres, parks, hospitals, community centers, and more. In this manner, Fantasy Theatre Factory presents more than 300 Florida programs reaching over 130,000 people each year. Fantasy Theatre Factory's mission is to make more quality theatre programs available to more people.

### **FIND US ONLINE:**

[www.ftfshows.com](http://www.ftfshows.com)

[www.facebook.com/ftfshows](https://www.facebook.com/ftfshows)

[www.twitter.com/ftfshows](https://www.twitter.com/ftfshows)

[www.instagram.com/ftfshows](https://www.instagram.com/ftfshows)

## **ECO CHALLENGE**

### **Teacher Evaluation**

Fantasy Theatre Factory is always evolving and growing, and we count on feedback from you, teachers, administrators, and students to help us move in directions where there is need. We would especially like to know which elements of the program were of value, interest, and significance to you and your students.

What do your students remember most about the performance?  
Are there other books/stories that you would like to see offered through our in-school programs for future years?

**Please take a moment to fill in this evaluation sheet**

School \_\_\_\_\_ Grade Level \_\_\_\_\_  
Name \_\_\_\_\_ Position \_\_\_\_\_

How did you hear about us?

\_\_\_\_\_

Your Comments:

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Thank you for taking the time to fill out this form. Furthermore, we welcome letters, essays, and drawings from your students. Please enclose them and return to:

**Fantasy Theatre Factory**  
6103 NW 7th Avenue, Miami FL 33127  
(305) 284-8800  
[www.ftfshows.com](http://www.ftfshows.com)  
Email: [info@ftfshows.com](mailto:info@ftfshows.com)



## ECO CHALLENGE

We love fan mail! Let us know your favorite part and how much you enjoyed the show. You can even draw a picture. We cannot wait to hear from you!

Dear Fantasy Theatre Factory,

Your Friend,

School:

Teacher:

Date: