“Force 5” Pretest
Please put your answer to the left of the question number.

Put your school ID or make up for yourself a five-or six-digit number: __________
(Please remember it; we will not save your personal information)
(please use the same code for both shows, pre and post test)

Don’t worry if you can’t answer these now; this just helps us know if you learn from the show.

What grade are you in? ___ Boy or girl? ___ Teacher's name____________ Hour: ___

____ 1. Which is the largest in size?
   a. Force 5 Hurricane
   b. Force 5 Tornado
   c. Force 5 Space Storm
   d. Force 5 Dust Storm

____ 2. Which year had the most Atlantic hurricanes, including Katrina and Rita?
   a. 1995
   b. 2000
   c. 2005
   d. 2010

____ 3. The major hurricane which devastated Galveston occurred in
   a. 1900
   b. 1920
   c. 1950
   d. 1980

____ 4. Which is generally the most deadly in a hurricane?
   a. the wind
   b. the water in a storm surge
   c. the loss of electricity
   d. the hail

____ 5. Tornadoes are generally most common in
   a. the central US
   b. Florida and Georgia
   c. New England
   d. California

____ 6. The energy source for the hurricane is
   a. the land temperature
   b. the ocean waves
   c. the ocean temperature
   d. the tides

____ 7. Which of these is the worst place to be in a tornado?
   a. a storm shelter
   b. a basement
   c. an inner closet or bathroom
   d. the attic

____ 8. What role do HAM radio operators perform in a tornado?
   a. going door to door to warn citizens of the dangers
   b. analyzing the upper atmosphere
   c. monitoring tornado locations
   d. using radio waves to reduce storm severity

____ 9. Which one of these is NOT commonly observed before tornadoes?
   a. hail and thunderstorm
   b. wall or "anvil" cloud
   c. green sky
   d. snow flurries
10. Energy is released explosively on the Sun in a process called a
   a. Solar Flare
   b. Sunspot
   c. Prominence
   d. Filament

11. A huge blast of plasma that is released from the Sun is called a
   a. FE (Flare Explosion)
   b. CME (Coronal Mass Ejection)
   c. Solar wind
   d. CEE (Chromosphere Energetic Eruption)

12. When a blast of plasma reaches the Earth it can cause
   a. Bright auroras
   b. Electrical blackouts
   c. Failures of satellites
   d. All of the above.

13. We are protected from the energetic particles from the Sun by our
   a. Magnetic Field
   b. Atmosphere
   c. Both Magnetic Field and Atmosphere
   d. Neither Magnetic Field nor Atmosphere

14. When humans leave Earth to travel in space, which might still harm them?
   a. Hurricanes
   b. Space Storms
   c. Tornadoes
   d. Floods

15. How often do you visit a museum or planetarium?
   a. Often (every month or two)
   b. Sometimes (every year or two)
   c. Only with school or other groups
   d. Rarely or Never

16. What would be your “dream job” if you could do anything in the world?

17. What is your most likely career?

Thank you for your participation!!
“Force 5” Pretest ANSWERS

__C__ 1. Which is the largest in size?

__C__ 2. Which year had the most Atlantic hurricanes, including Katrina and Rita?

__A__ 3. The major hurricane which devastated Galveston occurred in

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__D__ 12. When a blast of plasma reaches the Earth it can cause

__C__ 13. We are protected from the energetic particles from the Sun by our

__B__ 14. When humans leave Earth to travel in space, which might still harm them?
“Force 5” Post-Test
Please put your answer to the left of the question number.

Put here the a five-or six-digit number you used on the pretest: ____________
(please use the same code for both shows, pre and post test)

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Post-Test Additional Questions

Did you watch this show in a dome? _______ or on a regular TV projection? _______

Please write the most interesting thing that you learned from the show:
_____________________________________________________________________
_____________________________________________________________________
___________________________________________

Check all the statements that you agree with:

______ 1. learning in the dome is more fun than watching on a TV
______ 2. it is easier to learn in a dome than on a TV
______ 3. a dome show is more difficult to follow than one on a TV
______ 4. there are things which are easier to understand in a dome than on a TV
______ 5. this show has made me want to learn more about weather
______ 6. this show has made me want to learn more about space weather
______ 7. this show has encouraged me to become a scientist

Any other comments, suggestions, or other movies you'd like to see in a dome?
_____________________________________________________________________
___________________________________________________
______________

Thank you for your time! We hope you enjoyed the show!