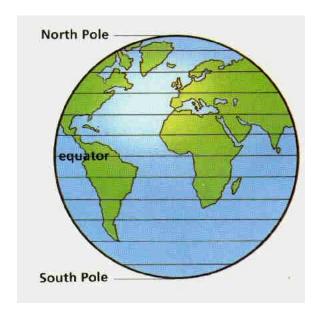
Name:		Date:		
LEAVE IT BLANK. paper. If you are can	ase complete all of the Make an educated gu ught cheating, there wit t and come back! Good	ess. There will be part ll be major problems.	ial credit. DO NOT lo	ook at anyone else's
-	ice (25 pts. total, 5 pts the question. If more t		ll not be counted.	
1. Risks involve	ed with thunderstorms i	ncluded?		
a) lightning	b) wind	c) hail	d) floods	e) all of the above
2. The strongest	tornado on the Fujita (Classification scale is a	?	
a) F 0	b) F 1	c) F 3	d) F 5	e) F 9
3. Low pressure	systems tend to track i	n this GENERAL dire	ction.	
a) West	b) South	c) East	d) North	e) Up
4. All of the foll	lowing effect climate, I	EXCEPT		
a) Latitude	b) Mountains	c) Bodies of water	d) Satellites	e) all effect climate
5. Localized clin	mates that are different	from the main regiona	l climates are called?	
a) Dry climates	b) polar climates	c) tropical climates	d) micro climates	e) mild climates
The following statem	ue or False (30 pts. tot ents are either TRUE correct the statement b	or FALSE. If the staten		
1 Therm	ographs show daily tre	nds in barometric press	sure.	
2 Tornac	does and Hurricanes are	e the <u>same</u> type of viole	ent weather system.	
3 Tornac	does are <u>short lived</u> and	l very violent.		
4 Winds	within tornadoes are c	aused warm ocean wat	er.	
5 The lo	wer the pressure in a h	urricane, the <u>calmer</u> the	e winds.	
6 Climat	te describes short term	weather patterns of an	area.	

Part III: Drawing (12 pts. total, 4 pts each)

Sketch t	he direction of the prevailing westerlies between the lines below (30°N and 60°).
60°N _	
30°N -	
Sketch t	he direction of the trade winds between the lines below (0 and 30°N).
30°N -	
)°	

Sketch the polar, temperate and tropic climatic zones on the Earth below. Be certain to draw in BOTH the Northern and Southern hemispheres. (Note: Each latitude line is equal to 15°)



Part IV: Conversations (10 pts. total, 1 pt. each)

From the station model below, fill in the required information to the right.

Simplified Surface-Station Model

_____ Dew point _____ Wind speed

_____ Temperature

48 138

_____ Wind direction

Barometric pressure

Cloud cover

Convert the following:

a)
$$40 \, {}^{\circ} \, C = \, {}^{\circ} \, F$$

b)
$$^{\circ}$$
 C = 160 $^{\circ}$ F

Part IV: Short Answer (24 pts. total, 6 pts. each)

Answer the following questions using complete and full sentences. Points will be deducted for incomplete sentences.

1. Create a simple graph showing the relationship between air temperature and barometric pressure.

2. Its 2am in the North East (USA). A thunderstorm rumbles in the night. What type of thunderstorm is it most likely? Why?

3

3. Describe where hurricanes get their energy from and what time of year would you expect hurricanes to be most prevalent in the Northern Hemisphere?
4 Define an analysis lifeing and already an annual and Decade deviled as more its.
4. Define orographic lifting and sketch an example. Be as detailed as possible.
NOT PART OF THE TEST!
I understand that my son/daughter received a failing grade on this test. I understand that they can make corrections on the problem(s) they got wrong for one point per question added to their grade. The corrections must be made on a separate sheet of paper and the question they got wrong must be written out and correctly answered. These corrections are due the NEXT day along with your signature.

Sheehan: http://www.newyorkscienceteacher.com/sci/

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Date: ____