Name		Class	Date							
Questi	ons									
	he air temperature of the environment affect the air press he air pressure of the football affect the accuracy of a thro									
-	round information: Read and take notes on any of the foll on. Write notes in the next section. Try these websites be									
1.	NPR.ORG (News): <u>http://www.npr.org/blogs/thetwo-wanglis-deflate-gate-isnt-all-hot-air</u>	ay/2015/01/20/37858134	19/scientists-say-the-							
2.	National Physical Laboratory: <u>http://www.npl.co.uk/uple</u>	oad/pdf/pressure-measu	rement-in-sport.pdf							
3.	NFL.com (beginners guide to football): <u>http://www.nfl.com/rulebook/beginnersguidetofootball</u>									
4.	Football 101: <u>http://football.about.com/od/football101</u> ,	L								
5.	How the physics of football works: http://entertainment	t.howstuffworks.com/ph	ysics-of-football.htm							
6.	Fact Monster (ball air pressure): <u>http://www.factmonster.com/cig/science-fair-projects/matter-much-air-basketball.html</u>									
7.	Air Pressure: <u>http://kids.earth.nasa.gov/archive/air_pres</u>	ssure/								
8.	Temperature and Air Pressure: http://www.physlink.com	n/Education/AskExperts/	ae469.cfm							
Resear	ch: (Attach notebook paper as needed)									

Hypothesis (If, then format) Use what you have learned to make an educated guess!

Materials (list in bullet format)

Procedure (list in numbered format)

1.

•

Organized	presentation of data (ta	able) Add graph pape	r to last page))						
0	Observations of football:									
		INSIDE		OUTSIDE						
١	What does it look like?									
N	What does it feel like?									
1	Temperature of Air:									
	Inside:		Outside:							
	Mass of ball:									
	Inside:		Outside:							
	Air Pressure of ball:									
	Inside:		Outside:							
	i(s) (What is your answe statement:									
RESULTS (u										
I predicted that and the test results were										
My hypothesis was (supported/not supported) by the test.										
After conducting your tests on the football, do you think that the Patriots claim that the balls were inflated to 13 psi inside and lost 2 lbs of pressure because it was cold outside is true? EXPLAIN.										
