# Name: **Engineering Design Brain/Web quest Engineering Design and Problem Solving** Weight = 0.5**DIRECTIONS:** Look inside your head and online to find the answers to these questions. **REMEMBER:** This is a webquest so be sure to copy paste the website address to cite your source(s). WHAT IS THE ETYMOLOGY OF THE WORD "ENGINEER"? IN OTHER WORDS, WHERE DOES THE WORD COME FROM? Source(s): 2. WHAT IS ENGINEERING? Source(s): 3. IS ENGINEERING DIFFERENT FROM SCIENCE? Source(s):

4.	WHATIS					HEY LUMPI	ΞD
		TOGETHE	R? WHAT	IS THE ID	EA?		
Source(s	s):						

# 5. ENGINEERING IS EVERYWHERE!!!

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Engineering is everywhere! From the moment you wake up until you fall asleep and even when you are sleeping, an engineering product is involved. Name engineering related things from A - z.

A-	N-
B-	0-
C-	P-
D-	Q-
E-	R-
F-	S-
G-	т-
H-	U-
I-	V-
J-	W-
K-	X-
L-	Y-
M-	Z-
Source(s):	

#### 6. SALARIES OF ENGINEERS

How much does an engineer make on average per year?					
Туре	Average Salary per year (U. S.)	Source			
Petroleum Engineer					
Mechanical Engineer					
Electrical Engineer					
Civil/Structural Engineer					
Industrial Engineer					

## 7. WHO DO ENGINEERS WORK FOR? WHO HIRES ENGINEERS?

What companies, organizations, businesses, enterprises hire the most engineers?				
Institution	(if available) Number of engineers hired or Percentage	Source		

What inve	ention/technology are these famous engineers know	own for?
Name	Claim to Fame (Invention or technology they enginee	ered) Source
Archimed	es	
Hero of Alexand	ria	
Leonardo da Vir	nci	
Alexander Graham B	ell	
George Washington Carv	ver	
Gustave Eif	fel	
Thomas Edis	on	
Beulah Louise Hen	nry	
Gottlieb Daiml	ler	
Willis Carri	ier	
Henry Fo		
Nicola Tes		
Robert Godda	rd	
Elon Mu	sk	
	5 of the greatest engineering achievements of th	
Name of achievement	5 of the greatest engineering achievements of the Why is it a big deal?	
		ne MODERN world
Name of achievement  1.		ne MODERN world
Name of achievement		ne MODERN world
Name of achievement  1.		ne MODERN world
Name of achievement  1.  2.		ne MODERN world
Name of achievement  1.  2.		ne MODERN world
Name of achievement  1.  2.  3.		ne MODERN world
Name of achievement  1.  2.  3.		ne MODERN world

Source(s):

### 11. TOP ENGINEERING PROGRAMS IN THE U. S.

Name six of best engineering schools to study at in the country. Source(s): 12. Which U.S. University graduates the most engineers? Source(s): GREATEST ENGINEERING FEATS 13. What is the biggest and most sophisticated machine ever engineered? \_\_\_\_\_\_ Source(s): 14. What is the smallest thing humanly engineered? \_\_\_\_\_\_ Source(s): 15. What is the biggest and most sophisticated machine ever engineered? Source(s): 16. What is the most prestigious engineering award given out (like the Nobel Prize for engineers)? \_\_\_\_\_ Source(s):

DIRECT	TIONS: For any	year includin	g or after 2003, ar	nswer the followi	ng questions:	
17	How many engineering jobs are there available in the U. S.?					
Source(s	s):					
18	Which	of the following	engineering field has	the most jobs avail	able in the U. S.?	
a.	Mechanical	b. Civil	c. Electrical	d. Industrial	e. Aerospace	
Source(s	s):					
			ular engineering majo om colleges and univ		what engineering	
-	Mechanical		c. Electrical	=	e. Aerospace	
Source(s	s):					
fillin	ng the engineering	g departments o	a common perception f U. S. universities an ting from U. S. univer	d that Americans ar	e getting left	
Source(s	s):					
			rcentage of engineer		re of Asian descent	
Source(s	s):					
22		What %	of engineers graduati	ng from U.S. unive	rsities are women?	
Source(s	s):					
23		What %	of engineers graduati	ing from U.S. unive	rsities are Hispanic?	
Source(s	s):					
24		What %	of engineers graduati	ing from U.S. unive	rsities are African-American	
Source(s	s):					
25. Wha	at is one fun fact	you learned abo	ut engineering not m	entioned above?		
Source(s	s):					