



# Vocabulary Mix

## KEY – Science Related Engineering Careers

**eernorniugene** N E U R O E N G I N E E R

Def: Uses understanding of how the brain works to design products like computer systems that can intercept signals from nerve cells or artificial limbs that can be controlled by people's thoughts.

2

11

**uollmeacr** engineer M O L E C U L A R

Def: Studies and builds molecular systems with atom-by-atom precision by changing matter at the molecular level. These engineers must have extensive understanding of physics and chemistry. It is sometimes called nanotechnology in reference to the nano-sized machines created.

5

**eboamldiic** engineer B I O M E D I C A L

Def: Develops devices and procedures that solve medical problems by combining knowledge of biology and medicine with engineering principles.

10

8

**mlcchiaie** engineer C H E M I C A L

Def: Applies the principles of chemistry to solve problems involving the production or use of chemicals and biochemicals.

1

12

**igcnete** engineer G E N E T I C

Def: Manipulates the genetic material in the cells of plants, animals, and other living organisms to develop better products, medicines, and services.

13

9

**uarlecn** engineer N U C L E A R

Def: Researches, designs, and develops the processes, instruments, and systems used to derive benefits from nuclear energy and radiation.

3

Science is facts; just as

H	O	U	S	E	S
1	2	3	4	5	6

are made of stones, and science made of facts; but a pile of

stones is not a house and a collection of facts is not necessarily

S	C	I	E	N	C	E
7	8	9	10	11	12	13