

	A	B	C	D	E	F	G	H	I	J	K	L
1												
2	Question Number	Field of Study	Birth Date	Place of Birth	Death Date	Undergrad School	Degree	Schools Taught	Patents_Awards	Place of work	Whole Name	Accolade/Invention
3	1	Botany/Inventor	1/1/1864	Diamond, MO	1/5/1943	N/A	BA, Agricultural Science, MA Degree			Tuskegee University	George Washington Carver	Discovered multiple uses for peanuts and soybeans, Crop rotation method, swamp mud for fertilizer
4	2	Chemistry	12/22/1884	Louisville, KY	12/25/1966	Fisk University, University of IL				Tuskegee Industrial Institute	St. Elmo Brady	First Black to earn Ph.D. in Chemistry in U.S.
5	3	Chemistry and Chemical Engineering	1921	NYC	10/28/2003	NY University and Columbia University	PhD.				Marie Maynard Daly	First Black Woman PhD. Chemist
6	4	Astronaut								NASA	Guion "Guy" Bluford	First Black Astronaut in Space
7	5	Astronaut								NASA	Mae Jemison	First Black Woman Astronaut in Space
8	6	Astronomer/Mathematician								Washington, D.C.	Benjamin Banneker	Published Annual Almanac/ Built first Wooden Clock
9	7	NASA Mathematician and Engineer	4/9/1921	Hampton, VA	2/11/2005	Hampton Institute (University)	BA; Mathematics, Physical Science, and Aeronautical Engineering	N/A		NASA	Mary Jackson	First Black NASA Engineer
10	8	NASA Mathematician	8/26/2018	White Sulphur Springs, West Virginia	2/24/2020	West Virginia State College	Mathematics and French	N/A	NASA Building Named after her, Presidential Medal of Freedom	NASA	Katherine Johnson	Black Woman NASA Mathematician for first NASA spaceflights (Human Calculator) Calculated trajectories and orbits
11	9	NASA Mathematician	9/20/1910	Kansas City, MO	11/10/2008	Wilberforce University	Mathematics	N/A		NASA	Dorothy Vaughan	First Black Woman to lead NASA Mathematician group
12	10	Engineering	10/6/1949	Mobile, Alabama	N/A	Tuskegee University	B.S Mechanical Engineering, Master's Nuclear Engineering	N/A	Over 250 awards	Air Force, Johnson Research and Development Co.	Lonnie Johnson	Created "Super Soaker" Water Guns
13	11	Chemistry	9/4/1938	New Orleans, Louisiana	N/A	University Of California	B.A Chemistry & Physics	Drexel University	N/A	United States Bureau of Standards	William Guillory	First National President of NOBCCHE/Drexel University Professor

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14	12	Physics	9/15/1852	New Haven CT	10/28/1918	Yale University	Physics	Philadelphia Institute for Colored Youth, St. Paul Industrial School	N/A	Bishop College	Edward Alexander Bouchet	First Black to earn Physics Ph.D. in U.S.
15	13	Mathematics	12/5/1895	Evansville, Indiana	11/28/1969	Indiana University	PhD. Mathematics	Shaw University, High school in Henderson, Kentucky, West Virginia State College	N/A	N/A	Elbert Frank Cox	First Black to earn Ph.D. in Mathematics in U.S.
16	14	Medicine	6/3/1904	Washington, D.C.	4/1/1950	Amherst College	Doctor of Medicine, Master of Surgery	Morgan College	N/A	American Red Cross Blood Bank	Dr. Charles Drew	Invented Blood Plasma Storage Techniques
17	15	Organic Chemistry	4/11/1899	Montgomery, AL	4/19/1975	DePaw University, BA; Chemistry	Harvard, MS Chemistry; University of Austria, PhD Chemistry	Fisk University; Howard University	Soybean Hormones, Cortisone, 1990 National Inventors Hall of Fame	Glidden Paint Company	Dr. Percy Julian	First to synthesize hormones and cortisones from Soybeans
18	16	Cell Biology	8/14/1883	Charleston	10/27/1941	Dartmouth	university of California	Dartmouth, University of Chicago	Insect Behavioral Research	University of Chicago	Dr. Ernest Just	Pioneered cell research and marine biology techniques
19	17	Zoology	2/3/1867	Cincinnati	2/14/1923	U of Cincinnati	Biology	N/A	Insect Behavioral Research	Sumner H.S., St. Louis	Dr. Charles Henry Turner	First Black to earn Ph.D. in Zoology
20	18	Medicine	1/18/1853	Hollidaysburg, PA	8/4/1931	Chicago Medical College	Medicine	N/A	N/A	Howard University Hospital	Daniel Hale Williams	Performed first successful open heart surgery in U.S.
21	19	Inventor	1884	Colchester, Essex Canada	10/10/1929	University Of Edinburgh	Mechanical Engineering	N/A	57 Patents	N/A	Elijah McCoy	Created first self-lubricating cup for trains/Real McCoy
22	20	Inventor		Jackson MS	6/4/2015	Morehouse College	MS Chemical Engineering Engineering, PhD. In Nuclear Engineering	N/A	binding system for propellants and gamma-electrical cell	U.S Navy	Dr. Henry Sampson	Invented Gamma-Electrical cell, First Black Nuclear Engineering
23	21	Inventor	1825	N/A	12/21/1918	N/A	N/A	N/A	folding bed, rapid mail-stamping machine	entrepreneur	L.C. Bailey	Invented the folding bed, Rapid Mail Stamping Machine

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24	22	Inventor	9/15/1818	Suriname	8/24/1889	N/A	N/A	N/A	Shoe Lasting	worked in a factory before invention	Jan Matzeliger	Invented the shoe lasting machine, Nailing Machine, Tack separating machine.
25	23	Inventor	3/4/1877	Paris, Kentucky	7/27/1963	N/A	N/A	N/A	gas mask and traffic signal	worked for himself as an entrepreneur	Garrett Morgan	Invented Gas Mask, Wooden Traffic Signal
26	24	Inventor	9/24/188	Chelsea, MA	9/11/1928	N/A	N/A	N/A	carbon filament, water closet in railroad cars and air conditioner	Alexander Graham Bell and Thomas Edison	Lewis Latimer	Invented a method of making carbon filaments for electric light, Early Air Conditioner
27	25	Inventor									Charles banks	Received a patent for the hydraulic jack in 1930
28	26	Inventor	4/16/1808	Philadelphia, PA	1/11/1852	-	-	-	No evidence of any	-	Augustus Jackson	Invented a method of manufacturing ice cream in 1832
29	27	Inventor	6/11/1823	Kalamazoo, MI	Unknown	-	-	-	patented a new type of mop	-	Thomas Stewart	Patented a new type of mop in 1893
30	28	Inventor	Sometime in 1865	Virginia	Unknown	-	-	-	3 patents	Pullman Palace Car Company	Charles Brooks	Invented a street sweeper
31	29	Inventor	1/13/1838	Cachoeira, Bahia, Brazil	4/9/1898	-	-	-		Military engineer	Andre Reboucas	Invented a torpedo
32	30	Inventor	9/15/1846	Oswego, NY	8/21/1910	Harvard School Of Dental Medicine	Dentistry	Harvard University			Geo. F. Grant	Invented the wooden golf tee
33	31	Inventor	5/17/1893	Cincinnati	2/21/1961				61 PATENTS		Fredrick Jones	Invented an automatic refrigeration system for trucks and railroad
34	32	Inventor	1849	Alabama	5/10/1921						Andrew Beard	Invented a rotary engine for boats
35	33	Inventor							Disposable Syringe		Phil Brooks	Invented a disposable syringe
36	34	Inventor									G. T. Sampson	Invented the clothes dryer
37	35	Inventor	1/1/1791	New York	2/11/1859						Thomas Jennings	First African American to receive a U.S. patent
38	36	Inventor	2/29/1904	Texas	8/15/1913	N/A	N/A	N/A	doorknob doorstop	N/A	O. Dorsey	Invented a doorknob and doorstop
39	37	Inventor	3/31/1878	Galveston Texas	6/10/1946	N/A	university of California		first African American boxer to win a championship	laborer.	Jack Johnson	Former heavyweight champion who has a patent for a wrench

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40	38	Inventor									William Purvis	Invented and patented improvements to the fountain pen	
41	39	Inventor	1865	Ohio						Hairdresser	Lyda Newman	Patented a new improved brush	
42	40	Inventor	1889			Boston University, Colgate Divinity School					John L. Love	Invented a portable pencil sharpener	
43	41	Inventor									James Adams	Invented a way of propelling airplanes in 1920	
44	42	Inventor									Lloyd Ray	Patented new and useful improvements to the dustpan	
45	43	Inventor									Granville T. Woods	Invented the overhead conducting system for electric railway	
46	44	Inventor									Bertram Baker	Received a patent for an automatic cashier in 1926	
47	45	Inventor									Nathaniel Alexander	Invented the folding chair	
48	46	Inventor									Alexander Ashbourne	Received a patent for a biscuit cutter in 1875	
49	47	Inventor	1855	Canada		n/a	n/a	n/a	n/a	Owner, player piano company	Joseph Dickinson	Invented an improved player piano in 1918	
50	48	Inventor									Willis Johnson	Patented an improved mechanical eggbeater and mixer in 1884	
51	49	Inventor									Norbert Rillieux	Invented a vacuum process to refine sugar	
52	50	Inventor	October 4, 1848	Maryland	1926	Harvard business school	n/a	n/a	n/a	n/a	John Albert Burr	Received a patent for an improved rotary lawn mower in 1899	
53	51	Inventor	1980	Memphis	2016	south high school	bachelor of arts	Edward Tilden	n/a	n/a	Maurice W. Lee	Invented a special pressure cooker to speed seasoning of food	
54	52	Inventor	8-Jan-11	Elberfeld	Sep-42	Ohio state university	Psychology	n/a	n/a		Alfred Benjamin	Invented the stainless steel scouring pad in 1962	
55	53	Inventor									James Bauer	Invented the coin changer	
56	54	Inventor	May 18, 1838	Pickaway County, Ohio	May 7, 1918					Patent for automatic elevator doors	Alexander Miles	Invented Automatic Elevator Door Opener	
57	55	Inventor	1807	Glen Ross, Maryland	1860	n/a	n/a	n/a		seed planter & cotton planter	farmer	Henry Blair	Invented corn seed planter

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58	56	Inventor	November 4, 1942	Harlem, New York	May 30, 2019	Hunter College & Howard University College of Medicine	Bachelor of arts in chemistry & medical doctorate		Multiple patents related to cataract surgery, and numerous awards	Research programs at several colleges & Ophthalmologist at several institutes	Patricia Bath	Invented Laser Cataract Surgery	
59	57	Inventor									Benjamin Bradley	Invented steam engine for small boats	
60	58	Inventor	1832	Craven County, North Carolina	1904	N/A	N/A	N/A	Patent for improved Ironing Board	dressmaker	Sarah Boone	Invented an improved ironing board	
61	59	Inventor									Benjamin	Invented shallow water propeller	
62	60	Inventor									Otis Boykin	Invented controller for heart pacemakers	
63	61	Inventor									Dr. Shirley Jackson	Invented Touch Tone signal and caller ID for phones	
64	62	Scientist	9/7/1918	Penstoker Township, NJ	2.26/2003	Harvard Medical School	Ph.D.	Harvard University		Public Welfare Medal	Dr. Harold Amos	Immunology	
65	63	Scientist	2/8/1943	Maryland		Morgan State University	Physics		Goddard Flight Center, NASA Equal Opportunity	NASA	Valerie Thomas	3D Illusion Transmitter	
66	64	Inventor	7/29/1940			Southern University/Clark Atlanta	BA, Chemistry, Master in Chemistry		Chemical	Los Alamos National Laboratory	Dr. Betty Wright Harris	Invented Explosives detection spot test	
67	65	Inventor	2/10/1941	Farmville VA		Temple University	BA, Physics			Bell Labs, John Hopkins University	Dr. James Edward Maceo West	Piezo Electric Microphone (smaller receiver)	
68	66	Scientist									Berry		
69	67	Scientist									Alice Augusta Ball		
70	68	Inventor									George Alcorn		
71	69										Dr. Jane C. Wright		
72	70	Scientist									Annie Easley		
73	71										Jr.		
74	72	Scientist	10/5/1958	Manhattan, NY		Duvray College, Harvard University, Columbia, University at Austin	BA, Physics, MA Astronomy, PhD. Astrophysics				NYC Planetarium	Dr. Neil DeGrasse Tyson	American Astrophysicist, STEM Advocate
75	73										Greene		

