

Brain Surgery or Rocket Science

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Williams College Trivia Contest
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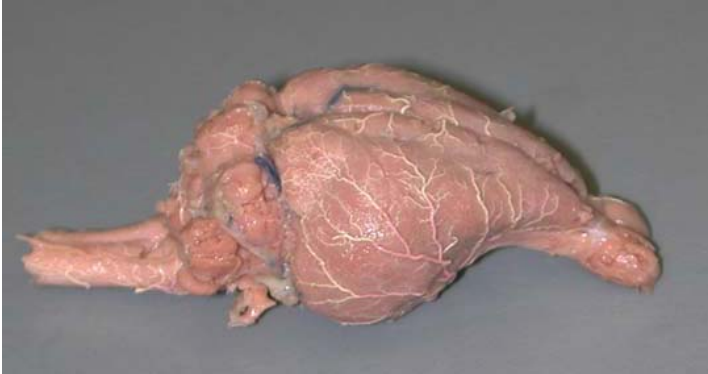
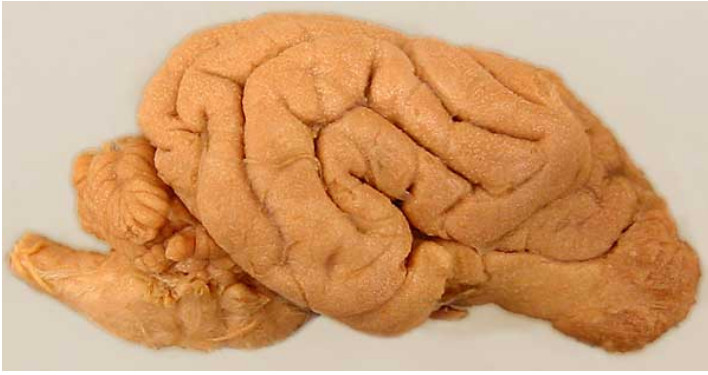

Is It Brain Surgery or Rocket Science?

Is the following term used in brain surgery or rocket science?

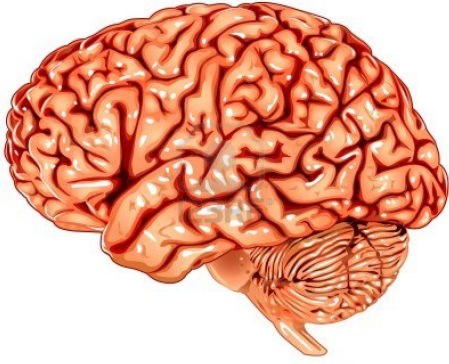
		Brain Surgery	Rocket Science
1	Orbital septum		
2	Corona radiata		
3	Semilatus rectum		
4	Eccentric orbit		
5	Inferior conjunction		
6	Alpha system		
7	Prosencephalon		
8	Periastron		
9	Hyperbolic anomaly		
10	Nucleus ambiguus		
11	Periosteal elevator		
12	Pterion		
13	Zygomatic arch		
14	Lagrangian point		
15	Cerebral aqueduct		

Name the Brain

Identify the species of the following brains:

16		
17		
18		

19



20



Name the Rocket

21



22



23



24



25



26



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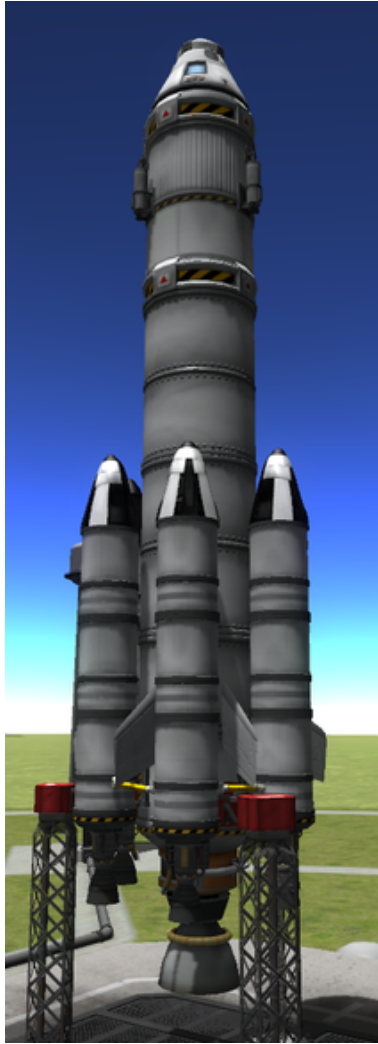


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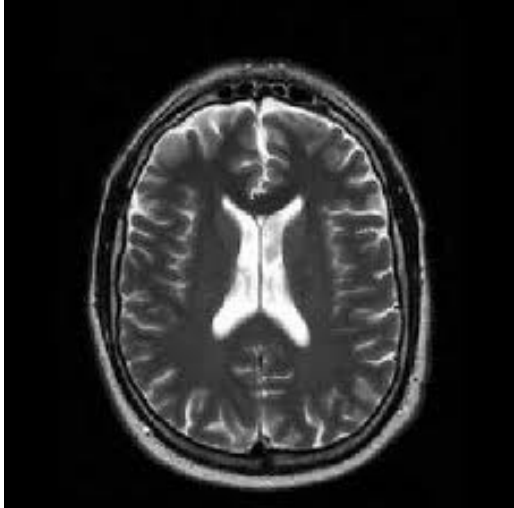


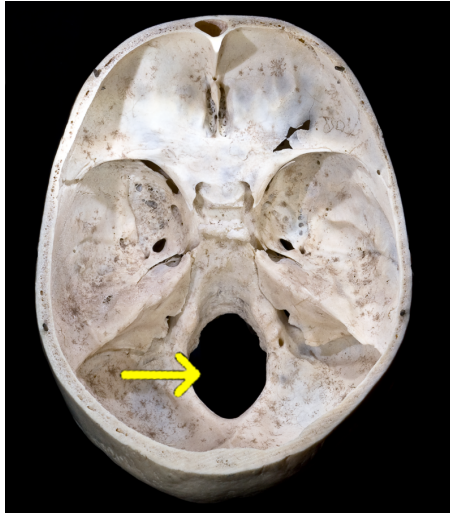
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Neurosurgery for Beginners

31	The human body has how many pairs of cranial nerves?	
32	How many ventricles are there in the human brain?	
33	How many layers are there to the meninges, the layers that surround the brain?	
34	Venous blood from a certain area of the face can flow “backwards” into the skull through the cavernous sinus. What is the name of this area of the face, named for its ability to spread infection?	
35	The occipital lobe of the human brain is commonly associated with what sense (eg, hearing, vision, etc)	
36	What structure runs between the frontal/temporal lobe and the temporal lobe?	
37	What is the name of the liquid that surrounds the brain and spinal cord?	
38	Is the following image created by a CT or MRI? 	
39	What is the name of the artery created when the two vertebral arteries come together?	
40	What is the name of the following opening?	



41 What is the most common type of malignant brain tumor in adults?

42 A lumbar puncture that returns yellow fluid, in the setting of a patient with a new “11 out of 10” headache, should raise clinical suspicion for what clinical problem?

43 A corpus callosotomy is a neurosurgical procedure most commonly performed in patients with what condition?

44 Name the part of the bone indicated by the arrow



45	If someone is considered to be brain dead, can they continue to have a patellar reflex (knee jerk reflex)?	
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Rocket Science for Beginners

46	What is the name for the point on an orbit closest to the Earth?	
47	And the point farthest from the Earth?	
48	Which famous science fiction author is sometimes credited with having invented the geostationary orbit, which is used for most communication satellites?	
49	If you have to increase the energy of your orbit, would you rather do it at the closest or furthest point from the central body to save fuel?	
50	What is the effect in Question 49 called?	
51	The vernal equinox is sometimes called the “first point” in what zodiacal sign?	
52	What is the term for rocket propellants that ignite immediately on contact with each other?	
53	The Space Shuttle main engines used what two liquids as propellant?	
54	What common rocket monopropellant (used, for example, in maneuvering thrusters) is toxic enough to cause eye, nose and throat irritation, temporary blindness, dizziness, nausea, dermatitis, and death in even the tiniest amounts?	
55	Instead of using explosive reactions with large quantities of propellant, electric (or, ion) thrusters generate thrust by accelerating atoms with an electric field. What noble gas is the most common propellant used in electric thrusters?	
56	Who was the first American in space?	

57	Who was the first American in orbit?	
58	What city has the nickname "Rocket City, USA"?	
59	What species was the first animal in orbit?	
60	What was its name?	

Brain Surgery and Rocket Science in Popular Culture

61	Which CNN anchor currently is a professor of neurosurgery at Emory University?	
62	Which neurosurgeon, after performing the first operation to separate conjoined twins at the head, retired to become an outspoken conservative commentator?	
63	In the book <i>All The Kings Men</i> , what is the name of the surgeon who operates on the Governor Stark's son after a football injury crushes his spine?	
64	What neurosurgical procedure is performed on Randle Patrick McMurphy in <i>One Flew Over the Cuckoo's Nest</i> ?	
65	How many years of training is required after graduating medical school to become a neurosurgeon in the United States?	
66	What 1970s movie features the exploits of the neurosurgical grandson of Dr. Victor Frankenstein?	
67	NASA chief (and former Nazi rocket designer) Werner von Braun helped produce a 1960 biopic about himself called <i>I Aim for the Stars</i> . America's then-most-prominent news satirist suggested what should be its subtitle?	
68	What colloquial nickname was given to the C131 Samaritan aircraft that was used to simulate microgravity for astronauts?	
69	Which Apollo mission plaque was the only one not left on the moon?	

70	Which 1999 movie is based on the life of Homer Hickam, a coal miner's son who goes on to become an aerospace engineer at NASA?	
71	Miss Baker, the first American monkey launched into space and recovered alive in 1951, lived until 1984. To this day, what token do people leave at her grave in lieu of flowers?	
72	Which Apollo astronaut has taken a turn on <i>Dancing with the Stars</i> ?	
73	In the 1902 silent film <i>A Trip to the Moon</i> , aspiring astronauts use what to launch themselves to the Moon?	
74	The "Bacon number" of an actor is the number of degrees of separation in film or television that he has from Kevin Bacon. All the men who have walked on the Moon have the same Bacon number. What is it?	
75	According to Urban Dictionary, what popular term is used to describe a person with "less than stellar aptitude"?	