



University College London – HEAT - Questions

Dementia, Science & the Brain	
1	Our brain weighs 2% of our body weight. What percentage of our blood supply is used by the brain?
2	What does the tau protein normally do in the brain?
3	TREM-2 is a protein that in humans is encoded by the TREM2 gene and linked to Alzheimer's. What does the acronym actually mean?
4	How many pounds does the brain typically weigh?
5	Which famous scientist said "If I have seen further, it is by standing on the shoulders of giants"
Breakfast	
6	The offal of which animal is mixed together and fried up for an American breakfast of scrapple?
7	Which country commonly serves open sandwiches for breakfast?
8	Its breakfast time and you're being served kimchi, a dish of fermented vegetables and red peppers. Where are you?
Christmas Carols	
9	Which carol includes the line: "Peace on earth and mercy mild, God sinners reconciled"
10	What stood in Royal David's City?
11	What gift was given on the 8 th day of Christmas?
Making sense of it all	
12	Which mammal can hear with its feet?
13	Which tongue has the most taste buds? Human, pig or rabbit?



14	Some fish have a six sense called the 'lateral line'. It is involved in assessing what?
All about novels	
15	Who wrote Wuthering heights?
16	Pip a young orphan is depicted in which Dickens Novel?
17	The modern Prometheus is the subtitle of which novel?
The night sky	
18	What is an exploding star called?
19	What colour are the hottest Stars?
20	The constellation names after the flying horse in Greek mythology is called what?
Women in science	
21	Marie Curie won the 1903 Nobel prize for Physics and the 1911 Noble Prize for what?
22	Which female scientist helped unravel DNA?
23	To which scientific discipline did Caroline Herschel devote her life?
Sci-fi Films	
24	Who does Mark Hamill play in Star Wars?
25	From which planet do the aliens come in War of the Worlds?
26	The line "You have 20 seconds to comply" comes from which movie?
London & University College London	
27	Who's body was dissected and then preserved as an auto-icon, and is on display at UCL
28	The UCL mascot is a kilted Jacobite Highlander. What its name?
29	Which other University does UCL have a rivalry with?
30	Where did the great fire of London start?



The Answers

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1	20%
2	Helps with structure and transport in neurons
3	Triggering receptor expressed on myeloid cells 2
4	3 (1.4 kilograms)
5	Isaac Newton
6	Pig
7	Finland
8	Korea
9	Hark the Herald Angles Sing
10	A lowly cattle shed
11	Eight maids a milking
12	Elephant
13	Rabbit 17,000
14	Movement and pressure in the water
15	Emily Bronte
16	Great Expectations
17	Frankenstein
18	Supernova
19	Blue
20	Pegasus
21	Chemistry
22	Rosalind Franklin
23	Astronomy
24	Luke Skywalker
25	Mars
26	Robocop
27	Jeremy Bentham
28	Phineas Maclino, or Phineas
29	King's College London
30	Pudding Lane