

Q	U	A	N	T	A	W	E	I	R	D	N	E	S	S	
U		G	O	O		O		W		P	O	T		C	
A	P	O	G	E	A	L		O	R	I	G	A	M	I	
N			U		S	C	O	R	N		O			E	
T	O	P	M	A	T	H		M	A	U	D	L	I	N	
U		E		L	I	O	N			F		E		C	
M	I	N	D	I	N	V	A	T		O	G	I	V	E	
M			I		G	E	T	H	A		I			M	
E	X	O	N	S			R	O	O	M	O	F	D	N	A
C		R		U			O	M	A	R		U		G	
H	Y	B	R	I	D	S		A	L	G	E	B	R	A	
A			A		H	O	R	S	E		T			Z	
N	E	U	T	R	O	N		L	I	G	H	T	A	I	
I		T	E	A		A		I		O	E	R		N	
C	R	I	S	P	R	G	E	N	E	D	R	I	V	E	

ACROSS

- Initial plurality of Einstein's spooky action at a distance as described by yours truly: the answer illustrates itself! (6,9)
- Rennie shows you beautiful microbial intelligence in what basically looks like this (3)
- A technical term for a concoction of cannabinoids? (3)
- The kind of moon that is far, far away (7)
- Kinks and folds in this can cause phase transitions (Woo) (7)
- Einstein treated reported experimental errors in relativity with this (5)
- Two words, in sequence, that describe the kind of writers Hartnett and Klarreich are (3,4)
- Seems overly sentimental, but it's a quantum philosopher who says our gut intuitions about time are right (Musser) (7)
- Locklear writes that we need to go to the mountains to find the kind of species that some retroviruses jump to (4)
- Philosophical argument about consciousness, imagining a brain in a container? (4,2,3)
- Cumulative frequency graph exhorting us to donate to charity? (5)/(1,4)
- Obtain laugh, or sound sleep on a latex foam mattress from Malaysia? (3,2)/(5)
- Gene portions that give rise to mature RNA have disoriented ex-son (5)
- The place in the lab where the PCR machines are kept might well be called this (4,2,3)
- Song in a new musical about a visiting band recalls a dashing film star (4)
- Cepelewicz explains how these have played a crucial role in the evolution of species (7)
- X marks the unknown in this discipline, whose connection to a monster is elucidated by Honner (7)
- Evolution of this fast-running species can run slowly over long time periods, writes Arnold (5)
- Re-created one-turn

- particle stars, lately appearing in articles by Sokol, Moskvitch and Wolchover (7)
- Photic artificial intelligence required to reveal a not-too-heavy sloth? (5,2)
- Confusedly ate a beverage containing polyphenols? (3)
- Finished without 5 Romans, poetically (3)
- Telling the toastier-sounding Eugene to take the wheel? Borel warns that it may result in species extinction! (6,4,5)
- A lithium salt is required to contain the greatest (3)
- This flyer is a mystery. But don't worry, the Pentagon is on it (3)
- You get a flower garland for unscrambling a mathematical group (3)
- A journey from sodium to oxygen? (2,2,1)
- I'd call it this when it exceeds 75 dB (3)
- Quanta* editor to reorganize lion's math! (6,3)
- Chopped-up fig makes for a moving internet picture (3)
- A mother solves a mixed mathematical group, something that would require a man to be steeped in artificial intelligence (1,2,3)
- A round globe; add it, and it usually becomes elliptical (3)
- It's classical, and it could become a class by itself if you add something that sounds generous (3)
- It's usually a nonprofit: an addition would situate it in a church (3)
- Someone else will speak for you if you stand up, bud (3)
- Measures of change may transmute to lachrimation (5)
- Half light, half heavy water (3)
- Boy, there's silver: therefore annoy me (3,2)/(2,3)
- It was once said to fill the universe. No more. But it can still knock you out! (5)
- Frequency might be a cause of this urological diagnosis (3)
- Equality turned upside down gives rhythmic fast talk (3)
- It's almost ~8D, in symbolic logic (3)
- It takes three similar atoms in a molecule to sound like they're making an effort (3)

DOWN

- Can she simultaneously fix Schrödinger's car and break it too? Yes, just much faster than her regular counterparts! (7,8)
- Gave a try a long time previously (1,2)/(3)
- Pidgin phrase describing what heat doesn't do to most proteins before cell death. Greenwood describes it better (2,3)
- The hallux is the biggest one (3)
- Quanta Magazine* physics writer who is a mixed-chow lover (9)
- A rare Mac bug that confesses who it is, Apple style (5)
- Abbreviated measure of resolution (3)
- Atheist's declaration, or theist's remonstrance (2,3)
- Greek letter to show how fast learning happens, I say (3)
- What *Quanta* is to readers (7,8)
- Something queens and workers have but drones lack, no matter how high they fly! (1,5)
- This genetic material may not have been so important to life ages ago, but bacteria today give it the highest priority (Cepelewicz both times) (3)
- Writers may wield it mightily to create an enclosure (3)