

Q 1

The man in the picture was in charge of cleaning the stage after the ceremonial throwing of paper planes in the igNobel prize ceremony. He did his duty diligently until 2005, when he was conspicuously absent from the ceremony. What was the ironic reason for his absence?



He is Roy J. Glauber

- He won the 2005 Nobel prize for his discovery of quantum optics and hence had to miss the igNobel prize ceremony.

“I must confess it was very unexpected and I am very startled at my metamorphosis into a chemist.”

This is a quote from 1908 Nobel Prize ceremony made by a very famous New Zealand born scientist who won the Nobel prize for chemistry that year. Who?

Rutherford

This is Glenn T. Seaborg, the 1951 Nobel laureate in Chemistry. His work in the involvement of the synthesis, discovery and investigation of ten transuranium elements earned the prize. His work in this area also led to his development of the actinide concept and the arrangement of the actinide series in the periodic table of the elements.

However, he has another claim to fame with regard to the periodic table. What?



He was the only living person to have an element in the periodic table named after him. All others who had this honour were dead when it was given to them.

Who won the 1962 Nobel Peace Prize for his campaign against nuclear weapons testing and thus became the only person ever to win two undivided Nobel prizes?

- Linus Pauling

Name this equation.

$$N = R_* \cdot f_p \cdot n_e \cdot f_\ell \cdot f_i \cdot f_c \cdot L$$

- where:
- N = the number of civilizations in our galaxy with which radio-communication might be
- R_* = the average rate of star formation in our galaxy
- f_p = the fraction of those stars that have planets
- n_e = the average number of planets that can potentially support life per star that has planets
- f_ℓ = the fraction of planets that could support life that actually develop life at some point
- f_i = the fraction of planets with life that actually go on to develop intelligent life (civilizations)
- f_c = the fraction of civilizations that develop a technology that releases detectable signs of their existence into space
- L = the length of time for which such civilizations release detectable signals into space

Drake's Equation

Montreal-born scientist Dr. Ralph Steinman was awarded the Nobel Prize in Medicine along with two others for "his discovery of the dendritic cell and its role in adaptive immunity."

How is his prize unique in the annals of Nobel Prize?

- He was awarded the prize posthumously, breaking one of the ‘rules’ of the prize awarding.

The prize was announced three days after his death. The prize committee found out that he had died, when they tried to contact him after announcing the prize.

We are familiar with his name since high school, because of a cycle that is named after him. He was awarded one half of the 1953 Nobel prize in medicine for his discovery of the citric acid cycle. Who is he?



- Hans Adolf Krebs

In the ‘Journal de Physique’, 73 58–76 published in 1811 was the paper titled *“Essay on Determining the Relative Masses of the Elementary Molecules of Bodies and the Proportions by Which They Enter These Combinations”*. Who was the author?

- Avogadro

This tweet by the Iranian president created a furor as he tweeted the image of a women with her head uncovered. But she was no ordinary women. What did she win that prompted the president to tweet this?
(pic next slide)



Hassan Rouhani
@HassanRouhani

Follow

Congrats to [#MaryamMirzakhani](#) on becoming the first ever woman to win the <#> , making us Iranians very proud

Reply Retweet Favorite More



RETWEETS
4,484

FAVORITES
3,439



9:13 AM - 13 Aug 2014

- Fields Medal

This upcoming movie starring Benedict Cumberbatch and Kiera Knightley is a biopic of a famous British mathematician, who was prosecuted for homosexuality and administered with chemical compounds to reverse the condition. This led ultimately to his death at the age of 42 by alleged suicide. Recently, the British government issued an apology to him posthumously. On whose life is the film based?



- Alan Turing

- Nikhil is a struggling businessman whose girlfriend Karishma is an actress. Nikhil meets Meeta, Karishma's younger sister, with whom he had a brief encounter 7 years ago. Meeta, who is an IITian in Chemical Engineering and PhD. is a super intelligent geek with unusual behaviour and habits, who ran away 7 years ago to China after stealing money from her own father, leading to his heart attack. A week before Nikhil and Karishma's wedding, Meeta turned up to meet her father to catapult a change of events leading to the marriage of Nikhil and Meeta instead of Nikhil and Karishma. Plot from which recent Bollywood flick?



DHARMA PRODUCTIONS

DHARMA PRODUCTIONS PRESENTS A PHANTOM PRODUCTION



PARINEETI CHOPRA

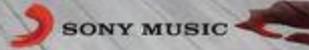
SIDHARTH MALHOTRA

HASSE TO PHASSE

LOVE GOES CUCKIN FRAZY

DIRECTED BY VINIL MATHEW
PRODUCED BY KARAN JOHAR, VIKAS BAHL
VIKRAMADITYA MOTWANE &
ANURAG KASHYAP

Music Vishal & Shekhar
Lyrics Amitabh Bhattacharya, Kumar



It prevents low-temperature processes, such as phase transformations, from occurring by only providing a narrow window of time in which the reaction is both thermodynamically favorable and kinetically accessible. In materials science, **this** involves rapid cooling of a workpiece to obtain certain material properties.

What process?

- Quenching

Q 13



+



+



Connect



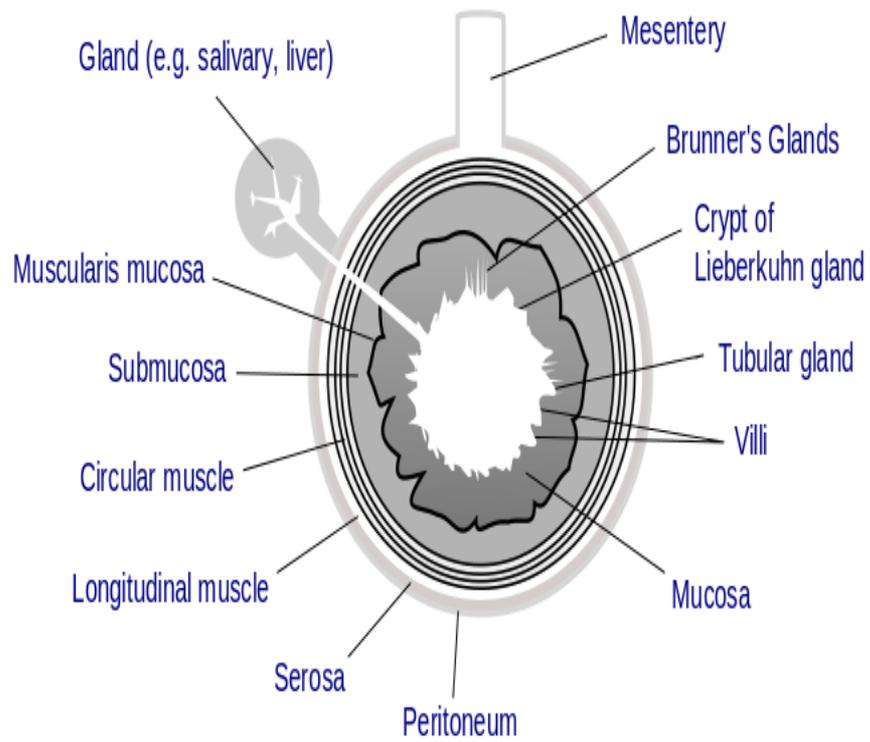
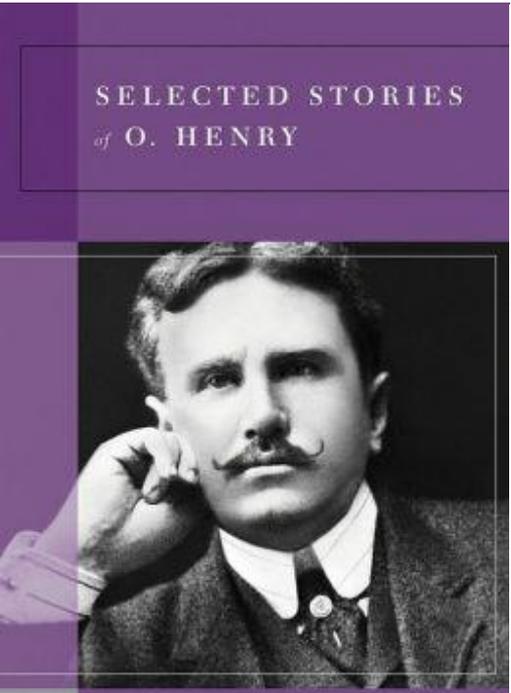
- Manufacture of glass
- *Soda+ Ash (Ash Ketcham from Pokemon)*
- *Lime+Stone (Stone Cold Steve Austin)*
- *Sand artist Sudarshan Pattnaik*
- Soda Ash + Lime Stone+ Sand (silica)= Glass



Connect



Lux ad Jingle was played



Mumbai slang equivalent to I Am Screwed (Kind Of Problem Created)

Units of physical quantities.

- Radiation dose (Gray)
- Power (Watt)
- Magnetic Flux (Weber)
- Luminous flux (Lumen)
- Inductance (Henry)
- Illuminance (Lux)

- The **Danjon Scale** that is related to the brightness of something **(X)** is a five-point scale useful for measuring the appearance and luminosity of **X** during a **Y**. Solve for **X** and **Y**

Moon and Lunar Eclipse



- The process was purchased by the German chemical company BASF. BASF then assigned Carl Bosch the task of scaling up the process to industrial-level production. He succeeded in this process in 1910. Bosch was later awarded Nobel prizes 1931 while the person who had initially developed the original method was awarded the prize in 1918. What process am I referring to?

- Habers Process by Fritz Haber.

Anna Akimovna Takhtarov and her granddaughter Rita were alone on the freshly ploughed field in the village of Smelovka, then part of the Soviet Union. It was April 12, 1960 and they were engaged in their collective farm in the serene air of inland beauty, with only a cow grazing nearby adding to its inlay of peasantry. It was quarter to 11 in the morning; the Sun was blazing on the intaglios on the field. Suddenly, they heard a loud noise from a distance. They were startled and before they could run away, they saw a tractor crossing the field followed by a group of running soldiers. The man from the tractor introduced himself as Major Akhmed Gasiyer and tried to explain the cause of the sound. What was the explanation?

- Good Morning. This is Yuri Gagarin, our comrade and the first man in space. You are the first to witness him landing him from his mission. The nation will be proud of you.

- *N*-methyl- α -methylphenethylamine is a neurotoxin and potent psychostimulant of the phenethylamine and amphetamine classes that is used as a recreational drug and, rarely, to treat attention deficit hyperactivity disorder (ADHD) and obesity. Which recent TV series made this chemical very famous?

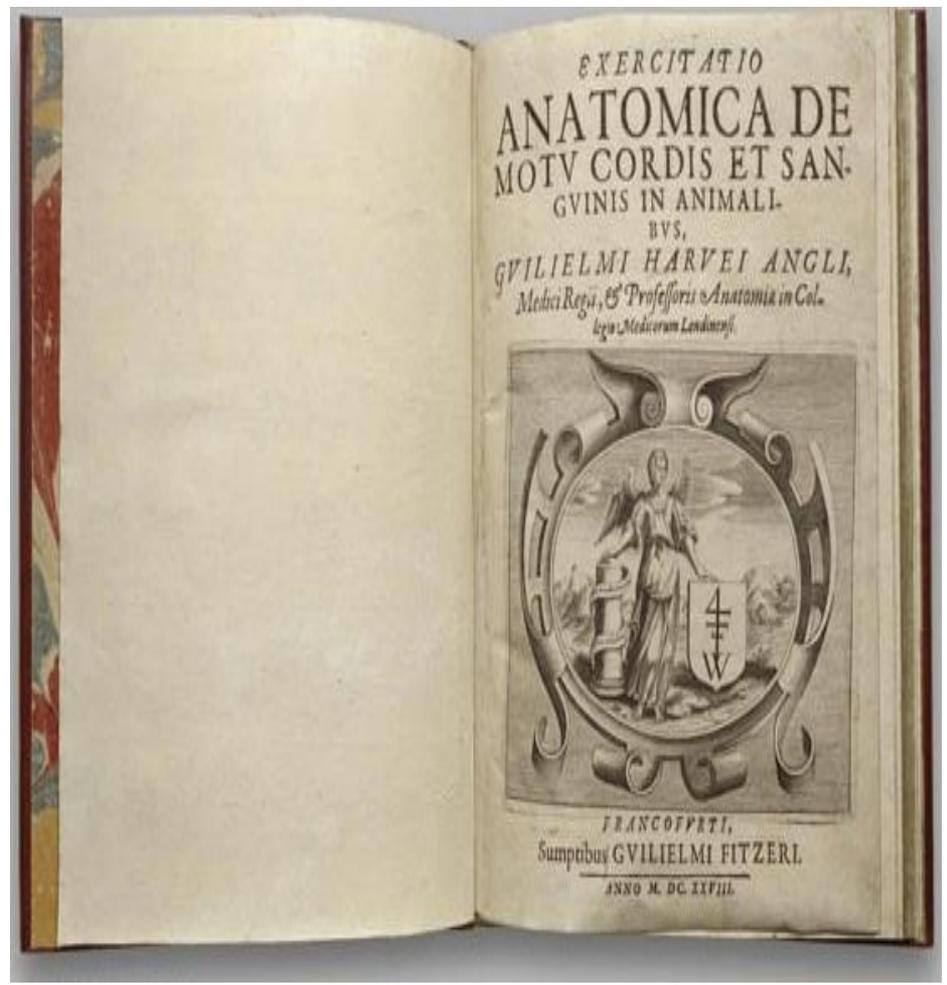
- Breaking Bad

In August 12, this year, Nachiket Barve launched a series of bed linens for Bombay Dyeing titled “_____” aimed at the vibrant energy of Young India! Barve takes inspiration from poisonous exotic animals like the Poison Arrow frog and sea anemones for his collection



- Toxins

- This is one of the most influential books in scientific history, popularly called the *Motu Cordis*. Who is the author?



- William Harvey