

These are some experiments to provoke thinking about physics and do not do these at home

- 1.put a metal between two electromagnets
- 2.drop two masses of different weights inside two vacuumed tubes
- 3.try to go higher by running at a vertical wall
- 4.put two ropes alligned so that they appear undeminished to a point opposite to xeno's paradox
- 5.make an indefinite number of aeroplanes fly very near to each other and measure time dilation
- 6.get a hollow sphere and make two carts move on the inner wall of the sphere
- 7.get a long laser and while turned on make the back mirror pushed to the front of the laser at high speeds
- 8.get two laser of some two colors and put them at a distance from each other and while they are opposite to each turn them on
- 9.make cars speed up and explode them with explosives
- 10.get a pot filled with water and run with the pot without spilling water
- 11.switch a switch on and off(preferably at the speed of light)
- 12.scream in water in a swimming pool
- 13.put pressure on clocks while they are underneath water at different levels
- 14.make huge clocks that go very slow and measure the time dilation
- 15.get pointers of different metals spinning in a circle at various speeds and of various radii and measure when the pointers are alligned
- 16.measure inertia stopping effect
17. get two electromagnet and as they are on spin the two electromagnets around each other in an orbit
- 18.run through gates that turn off as you pass them
- 19.make an electronic watch send signals inside of itself till the last signal says the time
- 20.scream onto a mountain and run away at the speed of sound
- 21.do friction on different metals and see how much heat comes out
- 22.heat a mass then cool it down and measure fracture overload to know bonding energy amount
- 23.shoot electromagnetic waves from earth to satellites
- 24.escalate the tone of your voice and then increase the raging fast and measure the temperature inside a thermos

- 25.put explosives inside different spherical or any other shape materials and measure fracture points
- 26.spin different metallic disks and increase the radii and speeds
- 27.put pressure on a vacuumed ball with liquids
- 28.make a bullet shoot itself many time after it was shot
- 29.throw a metal ball in a swimming pool and see how far underneath it have gone
- 30.drive a car as fast as you can and then see how far you have gone with what deceleration
- 31.jump many times on a ladder and see how harder the acceleration was
- 32.run on a platform in space with hands and foot
- 33.while a platform is pushed upwards jump on it
- 34.while a platform is going downwards push it with hands upwards
- 35.make a hollow vessel in space and run upwards through it
- 36.in space make a curved plane and throw small metal spheres toward one of the edges repeat the experiment with two sphere hitting each other inside the cavity
- 37.try to run away from earth in free space
- 38.get a small fire cracker and ignite it while you are holding it in free space
- 39.get a moving robot and make it vibrate in free space and measure heat vs movement coming out of it
- 40.heat an iron ball and measure the heat dissipation on earth and on other planets
- 41.get a hot rod and shake it in space(vacuumed space) with your hand and measure the heat dissipation on earth and in outside space
- 42.in outer space get a screw and a wall and try to screw the screw inside of the wall
- 43.laugh out loud in space and see where the laugh goes
- 44.shoot a hang onto a wall with a rope at its end bullet onto a wall in outer space and see whether the bullet rope push you
- 45.stick a rod onto a vessel and throw it in outer space and see whether the vessel spins in air differently as you throw it
- 46.spin with your body around and hang a metal ball in your hand slowly increasing the radii then while spinning throw the metal ball and as you throw the ball get another ball that was also spinning at the same radii and repeat the experiment with larger balls and larger radii
- 47.as two trains go opposite to each other on side railroads jump from one train to the other

48. choose a path to go either front or backwards or to the sides then runaway from your path and then repeat the path runaway
49. decide to take a walk and as you walk increase the spread of legs instead of running then run
50. as you decide to go to right or left sides jump toward one side then as you jump towards one side jump upwards or downwards
51. dictate why you are living outloud and then do what you have dictated
52. stubbornly jump as you are being pushed downwards even when you are opposed by equal forces
53. try to smile and then try to frown if successful in both try to laugh and then try to cry
54. fold a piece of paper then unfold the piece of paper very fast
55. while connecting a wire to iron that is connected to other branches of iron pass a current through the wire and see how the current dissepates through each branch
56. pass two opposing currents toward each other while the wire is constantly cooled down
57. try to type as fast as you can saying what you are typing while both typing and after you finish typing
58. try to be in time while you be and while you don't be
59. try to catch dead birds and collect their corpses and try to collect birds while they are alive
60. try to pass electricity through iron to turn it into an electromagnet then cutting off the electricity and repeating this till the electromagnet melts
61. heat elements till they evaporate then cool them down till they solidify
62. pass electricity through iron and measure the magnetic fields that arise
63. find a way to fill space with electromagnetic waves and if possible to heat space
64. hit a magnet bar till it no longer can induce magnetic fields and measure the force needed and see whether if its equal to the original magnetic force to all distances
65. rotate yourself with your arms extended and then rotate with your arms retracted
66. run a mile then run a kilometer see which one made you more tired if you ran directly in the miles and ran opposite ways in the kilometer
67. destroy a bracelet and watch how the bracelet is no longer circular
68. prepare some quicksand and put a glass plane on it and then break the glass plane while standing on it

- 69.
- 70.
- 71.think how the universe thinks
- 72.think what the universe thinks of you
- 73.trust a trustee then distrust the trustee
- 74.distrust a trustee then trust the trustee
- 75.trust a trustee till you no longer can trust him
- 76.twist a rope till the point it can't be twisted anymore then bring a stronger man than you twist it more
- 77.think of how time passes by whenever you do an action
- 78.think of love and how it effects your relationship with your wife
- 79.think of the most unthinkable stuff and then think why don't you think that way all the times
- 80.flip a closed oven and see if heat gets out in the direction of gravity or the opposite direction
- 81.light up a fire and try to make it catch the ground lit
- 82.light up a fire and see if it catches layers of paper beneath
- 83.
- 84.copy and paste some words inside a computer and see how many times its needed till the computer fails
- 85.
- 86.scream to a wall and see how it replies you
- 87.sprint fast and then sprint slow then run fast then run slow then walk repeat in reverse
- 88.seek lights whithin a lamp and see how light emits from it
- 89.shake an atom then wait for light to emerge
- 90.shake an atom and keep shaking it longer and try to prolong the photoelectric effect
- 91.try to dance with puppets and see what they feel about you
- 92.jump lower than a steel plane then try to jump higher than a steel plane from underneath or not below the plane
- 93.push a curved plane from your body and wait it to come back with gravity in space
- 94.in space push a hand away from you and see if you accelerate towards or away the spaceship
- 95.push a cart and see if you accelerate too
- 96.think of how machines do the same job over and over again
- 97.gargle water then spit it out like if its the big bang

98. drain some water in a drain hole is water draining or time is draining?
99. think hard about one of two things the more you think about one the less you think about the other
100. bring two masses and make one exist more than the other by heating or passing electric current through it then see how the other mass exists more as a reaction
- 101.
102. spend your time looking at stars and get really bored
103. look at a star that was there for you to watch then as it explodes notice the volume of the exploded star
- 104.
105. think of a mass that was existant and the $E=mc^2$ equivalence and the explosion that arose from it
105. look at a bomb and notice how as it explodes it goes emitting energy
106. as a bomb explodes make a setup to measure both the electromagnetic waves (light) and the pressure exerted at a distance
107. push a wall and notice how you are stationary while the wall is being pushed and then as the wall collapse notice how you move
108. notice how electromagnetic waves can pass through anything while pressure can't
109. get and electromagnetic waves inducer mass and cut portions of it
110. spend time calculating time passing by by multiple smae watches
111. stand out from the crowd and be the only one to be seen
112. get another way to kill a cat other than poisoning it while the box is open(shrodingers cat)
113. study the exclusion of 2 cars from a race by an accident
114. while in a race speed up your car as the other car speeds up and slow down your car as the other cars slows down so as to not finish the fuel you have than the fuel the other car driver has
115. dance in disco and change you body position
116. as you change your body position notice where it was before and where will be later this is how a wave works too by changing the position around a fixed point
117. be clear and precise the be vague and unclear
118. study two opposite charged subatomic particles in a collider make them go against each other at the speed of light both
119. get inside a box try to know what is outside try to invent ways to see outside see out of the box while inside of the box invent smaller and much clearer gadgets to see outside
120. get out of the box to find these gadgets
121. try to identify what is the physical meaning of the boxing effect in our physical world
- 122.

- 123.repeat saying a word notice how unchanging you are
- 124.get a magnet then spin very fast in a circle and get another magnet magnets pole nearby and notice the attraction and repulsion of the magnet
- 125.study the physical meaning of our world by carrying parts of of our world
- 126.study how magnets repel and how magnets attract and why the poles are strongest at the tip of a magnet only
- 127.close a valve and then open it too many times
- 128.
- 129.
- 130.get a compass and spin it around the north pole and south pole in the same direction
- 131.notice how the compass needle point only to the north and south and not the east and west
- 132.start bragging about your accomplishments and see the effect on people
- 133.
- 134.cringe on public and notice how they all cringe back!
- 135.in a nuclear experiment shoot a neutron onto a uranium atom and notice how the atom becomes unstable as it becomes larger
- 136.make an iron sphere and put billets inside of it then shake the iron sphere
- 137.shake atom at their best matching resonance and even much better matching resonance
- 138.try to know why atoms vibrate at specific resonances
- 139.try to melt and vaporize and solidify air!
- 140.try to measure the heat just above some color emitters
- 141.
- 142.start some money business and watch how when you have more money you can offer more services and then gain (more or less idk)money from them too
- 143.think how starlight reaches you at the speed of light and how it never changes speed
- 144.throw water upwards and sideways altogether listen to the sounds they make as if its a wave
- 145.
- 146.start running and think if you haven't ran would you reach where you are then think of the significance of the place you are in then think of whether the added value in the place you are in are equal to your running energy and tiredness
- 147.calculate whether energy+tiredness=added effect than current place
- 148.think of an electromagnetic wave as a wave that does energy through peaks and gets tired and then the energy dissipates through troughs

- 149.think whether the space being nothing makes radiation go at high speeds(the speed of light) because all the energy goes into moving the wave
- 150.think of matter planes as gravitation inducer and mass stopper
- 151.think of a gravitational mass as gravitating two balls on the two opposite sides of the mass equally and not moving at all
- 152.study acceleration and how inertia stops it as if inertia was antiacceleration a force on the opposite side of acceleration
- 153.grip a gripper and as you grip the gripper make the gripper grip another gripper
- 154.start an ice age inside a freezer then put the freezer inside a heater and start a fire age inside the heater
- 155.shake a bottle of water then open the cap and shake it again
- 156.
- 157.explode then emplode a bomb
- 158.study whatever you want to study and finish it all
- 159.
- 160.take a sip from a water bank and notice how the pressure you lessen is equalized by the increase in air pressure on the bank and what is left is emerging water inside the sipper
- 161.exert pressure inside a vacuumed tube and exert equal pressure on the outside
- 162.exert pressure inside a vacuumed tube
- 163.exert pressure on the outside of a vacuumed tube
- 164..
- 166.
- 167.
- 168.
- 169.think of elements and how the number of electrons is equal to the number of protons
- 171.think of some massive objects and some small objects
- 172.
- 173.
- 174.think about some door knobs and notice how some open doors easily and some doesnt
- 175.get a razor and cut a large door hatch through a wall
- 176.
- 177.start a fire then measure the time it took to become greatest and then cool it down with several materials

- 178.
- 179.
- 180.get some color crayons and color the floor
- 181.stick some stickers on a wall then take them off
- 182.think of a heater and an air conditioners and how opposite these two gadgets are
- 183.try to jump up and then try to jump below the floor
- 184.start running then slow down with the same pace till you reach velocity zero
- 185.run on a slider machine and then stop the machine as you keep on running
- 186.start running on a steep mountain notice how the upward vertical run is not counting towards horizontal run
- 187.start heating a piece of wood and look and listen at the same time at the fire crackles
- 188.listen to some music and think where all the sound wave vibration has gone
- 189.study electricity moving inside a wire and see whether it concurs with lights
- 190.throw few cash on a seller one time and at another time throw lots of cash and see his temper
- 191.
- 192.
- 193.
- 194.get a rope that is tied to a basket beneath home then throw the rope from above now you need to go down home to get the rope but then you also need the basket so you forgot to take them both now you need to go down again and get the basket
- 195.pass a desert and as you pass the desert finish food and drinks you have and after you pass the desert get more food and more drinks and pass the desert again
- 196.cripple a crippler steal a stealer kill a killer but what if you kill only one man for he is the one who did all this
- 197.
- 198.
- 199.notice how having a bigger in diameter hot rod helps to dissipate heat better
- 200.
- 201.get a fast but slow material
- 202.think how electromagnetic light waves are so fast yet so weak
- 203.
- 204.
- 205.sprinkle some salt on some rice watch how uneven the taste is through the whole rice
- 206.
- 207.

208. stick a stick onto the ground and push the stick and notice how the ground is sowed
209. start pushing a star and as you push it notice the heat that afflicts you
210. start singing outloud as you punch through a cardboard while making a hole
211. start reaping what you sowed
212. stick to a specific thought and never change it
- 213.
214. stick a stick inside a hole and seek with the stick the hole
215. slyly punch a hole inside a wall and put a grenade over there
216. start thinking where will you be next
- 217.
- 218.
219. start flying in the air with an aeroplane just you and the aeroplane
220. have a someone with you in the aeroplane
- 221.
222. try to find potential energy in everything
- 223.
- 224.
225. start rising above risers in water
226. pinch a nose and start noticing how the deformed nose return to its original form
227. run many laps in a stadium
228. start to think about the different thinking processes
229. start blowing a ballon and then let it go
230. stick a sticker on the wall
231. study sticky materials like paints and stickers
- 232.
233. strike a ball and notice the curvature
234. dissect a frogs leg and notice how it twitches
235. listen to music and notice how music does tiny vibrations on the ear drum
236. get a stiff rod and try to bend it
237. get a weak rod and try to bend it
238. get a ball and strike it upwards and watch how it falls back to you
239. get a ball that does no sound and kick it downwards and see how it jumps over and over again
240. stand away from some crowd and notice how your thoughts change
- 241.
242. study a mosquito and how they absorb blood from your body
243. notice how a mosquito absorb blood with a pressure lowering effect
244. notice how flies take food while giving microbes through pressure lowering

245. take a deep breath and exhale
246. take a virtually small stick and take food out of a fly
247. squeeze a ball as it empties
248. go around a round ball
249. go around a much more round ball
250. go around a perfect sphere and measure gravitation
251. get a huge and heavy nearly flat mass and measure gravitation
252. look at an exploding star and try to measure time dilation
253. strand a piece of thread in air notice how it gets pushed periodically
- 254.
255. reach a state of total equilibrium
256. think of how the stars were formed
257. notice how when a force is exerted a force opposing the force is exerted
258. think of a question and think of answers and notice how one answer usually fits in to answer
259. try one try two try three
260. think of mass and how when it accumulates it becomes much more heavy
261. drink some water then burp as much as you can
262. start running on a curved wall without falling notice how the centrifugal force is equated by the gravitational force
- 263.
264. lick a piece of paper and notice how saliva makes it stick to your tongue
265. start looking for stuff and find them
266. start copying and pasting words on papers
- 267.
268. start running on a 45 degree inclined plane and notice how when you stop you start slipping (be careful)
- 269.
270. get a heavy plane in space and get a ball and put the ball near the end of the plane and notice how the plane aligns itself toward the middle you can also see how gravitation would shift the position of the plane
271. make somebody tie you with ropes on a bed then untie them yourself
272. make someone tie you so strongly that you can't untie yourself anymore
273. stick a stick in a microchip
274. set a standard then set another
275. eat chocolate and feel sensational
276. as you set other standards let the stakes go so high
277. go on a stage where there are no people and practice
278. stick a stick inside a brick and notice how difficult it was
279. reconcile with your past
280. feel safe with your future

- 281.
- 282.start flames then turn off the flames
- 283.see whether electromagnetic waves come out from pure fire in space (pure fire that doesn't hit particles in space (vacuumed space)
- 284.find a way to turn off flames without particles (possible super energy resource)
- 285.look at someone look the other way then look at him again
- 286.stick a stick inside a can then wave the stick in air
- 287.start seeing yourself as someone changing
- 288.turn a lamp off after it was on then turn it on after it was off turn a lamp on after it was on(add more electricity to it)
- 289.stand alone then stand in a crowd
- 290.ping yourself online
- 291.look at the roof and imagine if it falls then look on the floor and imagine that it crushes you
- 292.stand alone and then feel social then stand in a crowd and feel alone
- 293.get different known apparatuses that measure the same phenomena values each for its own way
- 294.
- 295.
- 296.
- 297.get violent against physics then get calm about it
- 298.set a standard then push harder
- 299.set a standard then go lower
- 300.
- 301.start looking at something nearby and then looking at something far away
- 302.notice telescopes and how they work
- 303.know that telescopes gather light efficiently through several lenses
- 304.look at telescopes and understand the phase where it takes in as much light as possible
- 305.start trying out new stuff and some old stuff feel weird why you are trying the old stuff after the new stuff
- 306.
- 307.strand yourself inside a closed car for two days see how it feels
- 308.appreciate space and how it helps you have more done! then appreciate time for letting these more grand stuff to be!

- 309.start a football match and after the match ends see whether the match ends by the ball in a net(the case where the match ending is set by a number of goals) or by the ball possibly not inside the net (by time)
- 310.look at a watch that is working then look at a watch that is not working
- 311.
- 312.listen to some music love the rythm
- 313.get some nitro and drive the car really fast
- 314.look at nitro and how it gives spurs of energy to the car
- 315.start squishing masses together
- 316.
- 317.
- 318.overlook the overlooked and look at the looked at
- 319.look at the overlooked and overlook the looked at
- 320.start mimicking whales at their size
- 321.start mimicking dolphins at their sound waves produced
- 322.after mimicking these two mimic them both at the same time
- 323.start quacking like a duck
- 324.start sleeping
- 325.start waking up
- 326.start looking at the cars and look at the best car of them all
- 327.
- 328.go to a high mountain and prepare an avalanche and notice how much more time it takes for each mass
- 329.
- 330.start pleading for cash and look at how much richer you are now
- 331.start driving cars and walking and see which one spends more energy
- 332.start wishing more money as if you can get it and see whether that made you richer or not
- 333.knock on a door and say a joke
- 334.struggle then win
- 335.stick a camera onto a wall then look at everything away from the wall
- 336.walk to a wall then pass it by teleportation
- 337.squeeze a lemon then make lemonades
- 338.
- 339.walk to a wall then rebound from the wall
- 340.get commanded then be the commander of others
- 341.
- 342.study rocks and how hard they are
- 343.move your hand above some sand and notice the plane surface it makes
- 344.
- 355.

- 346.
- 347.get a string vibrate it and notice string theory
- 348.
- 349.film some people while they live ordinary lifes
- 350.look at your two hands and the five fingers each
- 351.run forward then run backwards then run sideways notice how you cant always run one way totally
- 352.strive to be the best ever
- 353.look at something then look at another
- 354.walk alone then walk with friends
- 355.study life and how it goes
- 356.study stealing and why you cant steal lifes away
- 357.create a study pattern
- 358.look at studies and how they actually look like what you are studying
- 359.
- 360.speak up for yourself and defend yourself
- 361.study tips
- 362.look how your orders and commands are the way to write physics experiments
- 363.look at many views
- 364.get two identical twins and differentiate between them
- 365.look at subtle cues in the twins
- 366.look at the differences between the twins
- 367.look at the twins and know what they like and what they hate
- 368.conclude that the twins are different and are not one
- 369.study mysterious stuff in the universe
- 370.know what is the easy way to learn and what is the hard way to learn
- 371.postpone time
- 372.postpone passing of time
- 373.study the rate by wish photons(or fire) hit cold stuff and heat cold stuff and the rate by which cold stuff get heated opposite cold and heat measurements
- 374.get a very long ruler then crush it
- 375.
- 376.
- 377.get validated information then feel that they are invalidated
- 378.start looking from a window then from a door then from a large hatch
- 379.sing with a singer then mimick music
- 380.stick yourself like a stick man
- 381.get a stick and compare it to an evenly measured ruler
- 382.look at how much fatter the stick is than to the ruler
- 383.

- 384.be stiff then be loose
- 385.listen to music and dance
- 386.do a mistake then correct it
- 387.
- 388.write some numbers onto a paper then read them
- 389.did you read the numbers from the paper or from your memory?
- 390.get some stuff done
- 391.think whether you can do everything you want then try to do them
- 392.try to go digital and invent inventions other than digital inventions through digital ways and digital inventions and to start make digital inventions first
- 393.start fixating a stick onto a hole in the ground
- 394.
- 395.say something funny and notice how people laugh
- 396.swing a blade in the air and notice how it makes subtle sounds
- 397.start to dance and vibrate your body in motions
- 398.stand up and sit down
- 399.sway your way eyes closed then sway your way eyes opened
- 400.
- 401.swing on a swing and see how high you go
- 402.go fast then go slow then go a mix of the two
- 403.
- 404.swing a spoon in air and notice how it takes air inside
- 405.listen to birds and bee and notice the different sounds
- 406.know that one thing that is different always produces different effects
- 407.
- 408.swing a wheel into air and notice how it spins only by the force to the side downwards
- 409.repeat the experiment by making on portion of the wheel heavier than the others