THE UNIVERSAL FORCE OF TIME · MEDICINE

Medical Chemistry

How the single field builds, heals and fails the living body — the elements, water, the blood and the four letters of DNA read as addresses, and what a medicine really is

Stephen Daubney · The Daubney Foundation · 2026 · Rev 7 (supersedes Rev 6, which removed the water bend: the four faces of water — gas, liquid, crystal and hydrogen-bonded network — restored as the record adjudicated them on 30 July 2026, the bonded face no longer mislabelled as the gas bond angle; and Rev 5: the chemistry given first as medicine knows it, discoverers credited, closeness figures and mis-stated claims removed)

Tau (T) is the living fabric of time itself — the sole substance of which all physical reality is composed. It is generated by the Sun, as by every star for its own system, and flows outward in the form of the DNA double helix, creating matter, which it deposits at nodal points — the planets — and creating life. Every particle, force, wavelength and conscious experience is a structured configuration of T-flow. The conservation law $d\Sigma T = 0$ governs all change: T is never created or destroyed at a node, only redistributed.

THE BODY AS ADDRESSES, NUMBER FIRST

carbon **6** (2·3) · oxygen **8** (2^3) · calcium **20** (2^2·5) · water's index **4/3** (2^2/3) · bonded water **105.0498032004°** (1036.8/π² = 14400α) · blood **120/80 = 3/2**

cytosine **111.1** g/mol (1000/9), the one π-free base · **36** ATP ($(2\cdot3)^2$) · **432** ($2^4\cdot3^3$) · **40 Hz** (2^3·5)

a medicine is a second T-shape that fits a node the body can no longer hold

ABSTRACT

Medicine has spent a century learning the names of molecules. This paper sets the names aside for a moment and asks a different question: what is a body actually made of? The answer offered here is that a body is not, at bottom, made of chemicals. It is made of T — the single field of time — standing still in particular places long enough to be called sodium, or water, or a strand of DNA. **Health is that standing pattern kept true; disease is the pattern slipping off its address; a medicine is a second T-shape that fits a node the body has lost the ability to hold on its own.**

Part I sets out the chemistry as medicine knows it, with its discoverers credited — the elements of the body, water, the blood's narrow gates, the four letters of DNA, the proteins, the energy books of the cell, nitric oxide and the radicals that damage — because nothing in what follows asks the reader to abandon a single fact chemistry has measured. **Part II reads it in the theory.** Of the six elements that make nearly all of the body, five have atomic numbers on the lattice — hydrogen, carbon [2·3], oxygen [2^3], phosphorus [3·5], calcium [2^2·5] — and the sixth, nitrogen, sits in the gap, which makes it the body's switch. Water's refractive index is **4/3** [2^2/3]. The body keeps its working ratios on the fifth, **3/2** — blood pressure 120/80, the ion pump's three for two, the hydrogen bonds of C–G against A–T. Of DNA's four letters only **cytosine**, at **111.1** g/mol [1000/9], sits on the flat lattice without π; and guanine's geometry face, read as a sphere, returns the theory's radius of the Earth and, through the veil, its year.

Part III reads what a medicine is — a shape at a node, an overlap with an energy, a journey through the body — and the single radical overload that lies beneath the heart attack, a face of ALS and the inflamed joint. Fourteen propositions, P-MC-1 to P-MC-14, are stated. Where the framework points to a corrective, its values are printed and its administration is held in the Foundation's clinical reference.

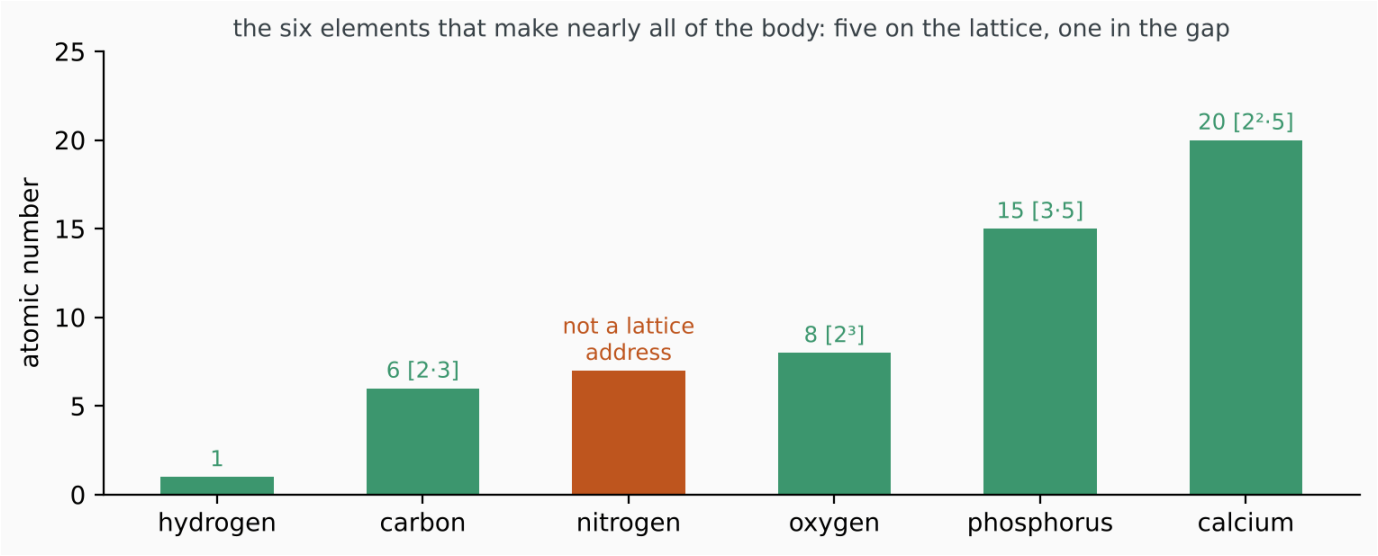


Figure 1 — The six elements that make up nearly all of the body's mass. Five have atomic numbers on the lattice — hydrogen 1, carbon 6 [2·3], oxygen 8 [2^3], phosphorus 15 [3·5], calcium 20 [2^2·5]; nitrogen's cannot be written in twos, threes and fives.

THE TERMS THIS PAPER USES

T, the substance. Tau (T) is the living fabric of time itself, the one substance of which everything is made. It is generated by the Sun and flows outward as the DNA double helix, creating matter and creating life. Everything a body does — a heartbeat, a breath, the holding of its warmth — is T moving in a structured way.

An address. Every value in this framework is a product of powers of 2, 3, 5 and π, and nothing else. That product is the value's address, and the set of all such products is the lattice. A number that needs any other prime is not on the lattice.

Number first. Every value is written with its number first, as a reader meets it, and its address in brackets behind it. The number is what is there; the address is how it is built.

The free decade. Moving a value by a power of ten costs nothing on the lattice, because ten is two times five: the move shifts twos and fives together and changes nothing else. That is why 24 millimetres and 0.024 metres are one address.

The π-degree. The degree of an address is the power of π it carries, and the degree says what kind of thing the value is. An even degree is a **room** — a state, a thing that sits; it pairs, like a pair of circles. An odd degree is a **road** — a transport, a thing that carries; it is the unpaired circle. A half degree is a **door** — a source, which squares to a whole address.

The day, 864. The day is 86,400 seconds [2^7·3^3·5^2], written 864 at its decade. It is the ground state of the DNA helix and the gear through which a per-second value becomes a per-day value.

The time ladder. A rate given per second is carried up the clocks by fixed steps: × 60 to the minute, × 60 to the hour, × 24 to the day. The amount is the same; only the choice of clock changes — the same quantity counted in seconds or counted in days. From the day the orbit is completed one of two ways — × 360 gives the year as a degree value, × 2π gives the year as a radian value. The two answers are two faces of one year, and both are read.

The two gears. Two numbers carry energy between the theory's registers and appear throughout the record. **10,368** [2^7·3^4] carries an energy in electron-volts to kilojoules per mole. **31,104** [2^7·3^5] carries an energy in electron-volts to a circumference. When a quantity of the body lands on one of them, it is speaking in the theory's own units.

The veil. The veil is 180/π = 57.29577951308232, the number that turns radians into degrees. In the Universal Force of Time a wavelength in nanometres is an angle in degrees directly; multiply it by π/180 — cross the veil — and the bare value it carries appears.

The register. A register is a level at which T is read. Each organ of the body is a register — a receiver tuned to one face of the time-field — and each cell, molecule and rhythm within it holds an address on that register.

The six faults. A register can fail six ways. It can be **missed** — its target still exists but it has settled at the wrong place; **demoted** — dropped to a lower order while its parts survive; **frozen** — locked at one address and unable to move; **contaminated** — carrying a foreign address; **misdirected** — its own proof-reader turned against it; or **eroded** — its nodes deleted. Under dΣT = 0 the field redistributes to the nodes that survive; it does not rebuild an address that has gone.

The conversion grammar. One value takes several forms, and fixed steps move it between them: a frequency divided by 2π is a free fall; a free fall times 49.5035535 [7776/(50π)] is a wavelength; a wavelength times π²/8 is a mass. Run in one line, frequency to mass is a single step of 9.72, and every π cancels.

Free fall. In the Universal Force of Time there is no gravity, and a free fall is not a pull. It is the flow of time at a place, in metres per second, every second — time showing itself in one more form, which current science takes for a gravitational fall. A planet makes one turn; where the turn comes in at less than 24 hours, time makes up the difference with a flow at that place, height or depth, so that the turn and the flow together make 24 hours. For the Earth, the free fall on the celestial register, **9.818362093946918** [$5^{12}/(2^7 \cdot 3^9 \cdot \pi^2)$], times 2400 — the 24-hour day, carried two decades — is the Earth's sidereal rotation, **23,564.06902547260** [$5^{14}/(2^2 \cdot 3^8 \cdot \pi^2)$]: 23 hours, 56 minutes and 4 seconds on the clock.

The three registers, G0, G1 and G2. The record reads the same value at more than one level: G1, the surface register of the Earth; G2, the celestial register; G0, the register below. A value and its neighbour one register up — one level up — stand one **G-bond step** apart, 1.000090150603356 [$5^{10}/(2^4 \cdot 3^9 \cdot \pi^3)$].

The 612 step. A second fixed step, 1.000612842467911 [$2^9 \cdot 3^5 \cdot \pi/5^8$] — helium's weight divided by four (helium divided by four, per nucleon), and 36,864 × 864 × π read at its decade. Where a family of lines stands G1, G2 and then one step further, the further step is this one.

The helical turn. The helical turn, 1.004693930041152 [$5^6/(2^6 \cdot 3^5)$], is the step by which the DNA helix climbs one turn — one revolution of the helix. A value carried "one helical turn up" is multiplied by it.

What a landing is worth. Multiply or divide two lattice numbers and the answer is always on the lattice; that much is guaranteed and is not evidence. What counts is a result that lands on a **named object** the theory had already fixed — the day, body temperature, the heartbeat, the day — at a bare power of ten. Each such landing in this paper is marked as arithmetic or as a landing, in its own sentence.

PART I — THE CHEMISTRY OF THE BODY AS MEDICINE KNOWS IT

1. The elements

About 99% of the mass of the human body is made of six elements: oxygen, carbon, hydrogen, nitrogen, calcium and phosphorus. A further handful are essential in small amounts — sodium, potassium, chlorine, sulphur and magnesium, and the trace metals iron, zinc, copper, cobalt, selenium and others. Zinc is structural or catalytic in hundreds of enzymes; magnesium sits at the centre of chlorophyll and partners every molecule of ATP; cobalt is the heart of vitamin B_{12}.

2. Water and the blood's gates

About 60% of an adult body is water. Its molecule is bent: in the gas the angle between its two hydrogen arms is measured at about **104.5°**, and the angle shifts a little as water becomes liquid, ice, or part of a hydrogen-bonded network. Its refractive index — the factor by which it slows light — is about **1.333** at visible wavelengths. The blood's acidity is held between **pH 7.35 and 7.45** by the carbonic acid–bicarbonate buffer; a healthy blood pressure is about **120 over 80** mmHg; plasma sodium is held between about 135 and 145 mmol/L. In every cell membrane the sodium–potassium pump, discovered by Jens Christian Skou, moves **three sodium ions out for every two potassium ions in**.

3. The four letters

DNA is written in four bases: cytosine (C, **111.10** g/mol), guanine (G, **151.13**), adenine (A, **135.13**) and thymine (T, **126.12**). In the double helix that James Watson and Francis Crick described in 1953, C pairs with G through **three** hydrogen bonds and A with T through **two**. Cytosine is the base that carries the methyl tag of epigenetics, at the CpG sites through which the environment marks the genome.

4. Proteins and enzymes

Proteins fold into regular shapes. The **α-helix** that Linus Pauling, Robert Corey and Herman Branson described in 1951 turns once every **3.6** amino acids and rises **0.54 nm** per turn; the strands of a β-sheet lie about **0.47 to 0.48 nm** apart. Enzymes speed reactions by lowering their energy barrier, and their pace follows the law Leonor Michaelis and Maud Menten wrote in 1913: rate rises with substrate until every enzyme is busy. For most of the body's reactions a rise of ten degrees roughly doubles or trebles the rate.

5. The energy books

Burning one molecule of glucose completely releases, as free energy, about **2,870 kJ/mol** in standard tables. The cell banks it as ATP — up to about **36** molecules per glucose by full oxidation in the mitochondria, against **2** by fermentation, the shift Otto Warburg found in cancer cells.

6. Light in the body

Chlorophyll absorbs light most strongly in the blue, near **430 nm**, and in the red; the haem of deoxygenated haemoglobin has its strongest absorption, the Soret band, near **430 nm** as well. The brain's binding gamma rhythm runs near **40 Hz**.

7. Nitric oxide and the radicals

In 1980 Robert Furchgott found that blood vessels relax only when their lining sends a signal; Louis Ignarro, Salvador Moncada and their colleagues identified it in 1987 as **nitric oxide**, made from the amino acid L-arginine (174 g/mol) — work honoured with the Nobel Prize in 1998. When nitric oxide meets the superoxide radical it forms **peroxynitrite**, a corrosive oxidant (Joseph Beckman and colleagues, 1990); superoxide overload, with iron-driven Fenton chemistry, injures the heart and vessels, sustains joint inflammation, and in one inherited form of ALS the superoxide-clearing enzyme SOD1 is mutated (Daniel Rosen and colleagues, 1993).

8. Medicines

A drug binds a target — an enzyme or a receptor — with a strength measured by its dissociation constant, the energy of binding given by $\Delta G = -RT \ln K$. It must be absorbed, distributed, metabolised (chiefly by the liver's cytochrome P450 enzymes) and excreted. Penicillin's core, **6-aminopenicillanic acid**, isolated by Frank Batchelor and colleagues in 1959, weighs **216** g/mol, and it carries the strained four-membered β-lactam ring that springs open in the machinery a bacterium uses to build its wall. Some medicines are **prodrugs**, switched on in the body: enalapril becomes enalaprilat.

That is the chemistry as medicine knows it, given first because what follows reads every part.

PART II — THE BODY AS ADDRESSES

9. What a body is actually made of

Put your hand flat on a table and press. Something pushes back. A chemist will say the pushing-back comes from electron clouds refusing to overlap. That is true as far as it goes, but it never says what an electron *is*; it only says where one sits. The Universal Force of Time gives the missing answer. There is one substance, and it is not matter. It is T — time itself, a fabric that flows. Everything you have touched, including your own hand, is T that has come to a standstill in a particular shape. **The elements are not ingredients. They are addresses** — places where the single field holds still long enough that we give it a name and a weight. A body is a standing pattern in the field of time, refreshed every instant, held true against the current.

10. The elements as addresses

Read the body's six great elements by their atomic numbers and five are lattice addresses: hydrogen **1**, carbon **6** [2·3], oxygen **8** [2^3], phosphorus **15** [3·5] and calcium **20** [2^2·5]. Among the essential metals, magnesium is **12** [2^2·3], the clamp at the centre of chlorophyll and ATP; cobalt is **27** [3^3], the cube of three, at the heart of vitamin B_{12}; and zinc is **30** [2·3·5], the full chord of the lattice — which, in this reading, is why it is structural in hundreds of enzymes and asked to do little else: a perfect address makes a perfect scaffold. The sixth great element, **nitrogen, has an atomic number that cannot be written in twos, threes and fives.** That is not a weakness life suffers; it is a job life assigns (Section 16).

11. Water, the lattice made liquid

Two-thirds of you is water, and water's refractive index — the factor by which it slows light, and in the theory the factor by which it slows time — is **4/3** [$2^2/3$], the address the companion paper on the medium clock reads as the body's own three-quarter rate.

And the bend of the molecule is not one angle but four, one for each state the water is in — each a separate face of the lattice. The **gas** monomer bends at **104.4949715636°** [$3240/\pi^3$]; the **liquid** at **103.9030304363°** [$16\pi^4/15$]; the **crystal** at **104.1666666667°** [625/6]; and the **hydrogen-bonded network** — water held in the web it makes with its neighbours, as it is throughout the body — at **105.0498032004°** [$1036.8/\pi^2$]. That last face carries the theory's fine-structure value openly: it is **14400 α**, and 14400 divided by it is **137.0778389** [$125\pi^2/9$], the theory's 1/α. The coupling of light and matter, in the theory's own value, sits in the shape of the bonded water you are mostly made of. **Water is not a happy accident that life exploited. It is a node, and life formed around the node because the node was there first.**

12. The 3:2 body

Take your blood pressure and a healthy reading is **120 over 80**: reduce the fraction and it is **3/2** — the musical fifth. The pump in every membrane moves **three** sodium out for every **two** potassium in. And C–G is held by **three** hydrogen bonds where A–T is held by **two**. The body does not pick its working ratios at random; it picks the consonant ones. **The fifth is the body's time-signature.** The narrow pH gate, 7.35 to 7.45, is in the same reading a gate between two addresses: the body may wander, but only between them, never off them.

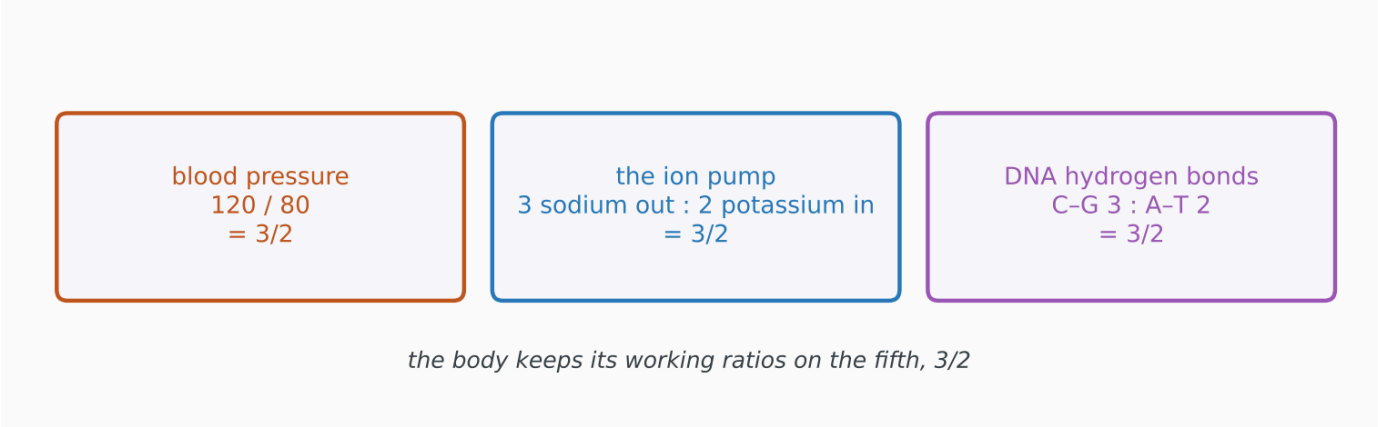


Figure 2 — The 3:2 body: blood pressure 120/80, the ion pump's three sodium out for two potassium in, and the three hydrogen bonds of C–G against the two of A–T — the same fifth, 3/2.

13. The four letters — and why only one is ours

Here is the heart of the chemistry. Weigh cytosine, **111.1** g/mol, and it lands on a clean, π-free lattice address, **1000/9** [$2^3 \cdot 5^3/3^2$] — a pure product of twos, threes and fives. Weigh the other three and not one sits on the lattice without a power of π: guanine needs π to the third, adenine and thymine π squared. **Cytosine alone is an Earth base** — and it is the base the environment writes upon, the carrier of the methyl tag. The theory's leading reading is that the bonded pair is the true unit, and that C–G spans matter and antimatter: cytosine the Earth's matter side, guanine its antimatter partner locked across the helix — while A–T, on this reading, is a Venus–Mercury coupling.

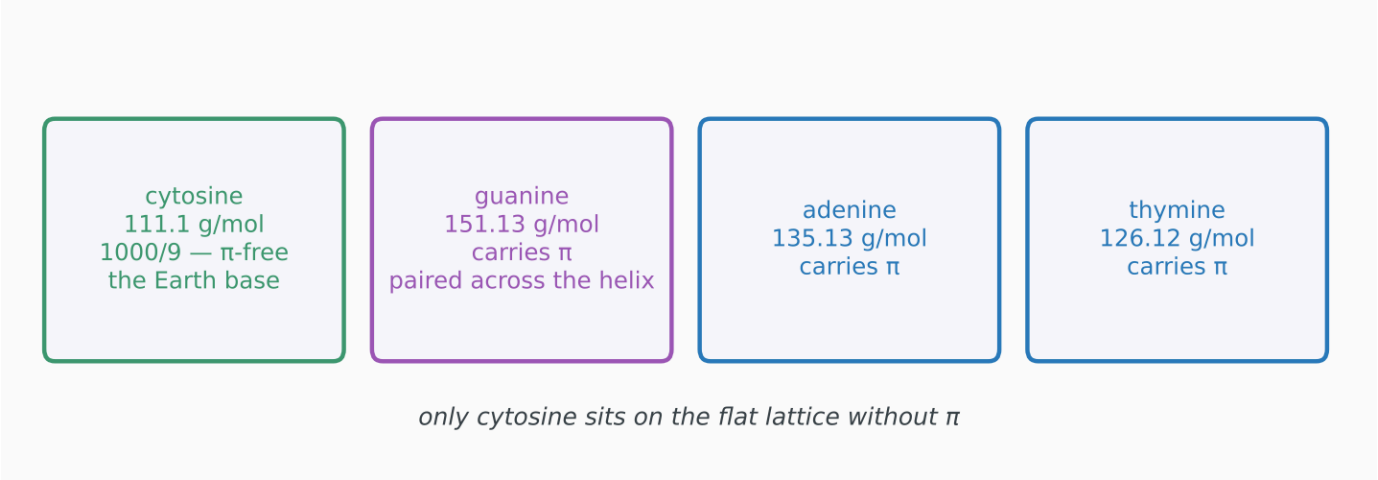


Figure 3 — The four letters of DNA by weight. Only cytosine, 111.1 g/mol [1000/9], sits on the flat lattice without π; guanine, adenine and thymine each carry a power of π.

14. Guanine returns the Earth

An antimatter partner, in the theory, is found by **inversion through a node**, not by mirroring. The planets show it first: take Venus at the theory's address, **108,506,944.4 km** [$10^{12}/9216$], and invert it through the node **$2\pi \times 10^{15}$ km²**, and you land on **57,905,835.79 km** — the orbit of Mercury. Guanine stands to cytosine the same way, which is why it wears π^3 instead of copying cytosine's clean π^0.

And guanine carries the Earth inside it. Take its geometry face, **151.0762371490164** [$2^3 \cdot 5^7 \cdot \pi^{10}/3^{18}$], multiply by **36/5** [$2^2 \cdot 3^2/5$] and read the result as the volume of a sphere: the sphere's radius is **6,379.892321049346 km** [$50\pi^3/243$] — the theory's radius of the Earth. Turn that radius through the veil, $180/\pi$, and it opens into **365.5409037440503** [$1000\pi^2/27$] — the theory's year, the same year face from which the 670 nm line is reached. A letter of the antimatter strand carries, folded inside its mass, the size of the planet and the length of its orbit.

15. The 432 circuit

One number keeps reappearing in the chemistry of light and life: **432** [$2^4 \cdot 3^3$]. Chlorophyll absorbs most strongly in the blue near 430 nm, and the Soret band of deoxygenated haem sits near 430 nm too; the theory reads the address of that shared band at 432. The leaf is tuned to receive the Sun; the blood works the same band; and the nerve answers at **40 Hz** [$2^3 \cdot 5$], the brain's binding beat. **The body is not a closed chemical system that happens to sit in sunlight. It is one link in a circuit that begins in the Sun and closes in your thoughts.**

16. Proteins and the energy books

Proteins fold into lattice shapes: the α-helix turns once every **3.6** residues [18/5] and rises **0.54 nm** per turn [$2 \cdot 3^3/100$]. The energy books read the same way: full oxidation banks **36** ATP per glucose [$(2 \cdot 3)^2$]; the Warburg shift falls to **2**; and the theory reads glucose's full burning at **2,880** [$2^6 \cdot 3^2 \cdot 5$] in its own units. And temperature sets the pace by a clean rule: where every ten degrees doubles the rate, the body's chemistry runs on the {2} law — fever speeds the body, cold slows it, and both are, underneath, a power of two.

17. Nitrogen, living on the gap

Nitrogen's address lies in the gap between the nodes, and that is its job: because it sits on the gap, it is the body's **switch and bridge** — the atom that makes and breaks the bonds others cannot. Nowhere is this clearer than in **nitric oxide**, the tiny signal the vessels use to relax: the body deliberately visiting the gap to throw a switch. But living on the gap is dangerous. When nitric oxide meets superoxide it forms peroxynitrite, and a cascade runs — too much superoxide, nitric oxide consumed, peroxynitrite formed, the vessel lining damaged, the signal lost, the pressure rising: one clean route into cardiovascular disease. **The same gap that lets the body switch can, overrun, let it fail.**

18. Where these results come from

The chemistry is theirs. The pump is Jens Christian Skou's; the double helix James Watson's and Francis Crick's; the α-helix Linus Pauling's, Robert Corey's and Herman Branson's; enzyme kinetics Leonor Michaelis's and Maud Menten's; the Warburg shift Otto Warburg's; nitric oxide Robert Furchgott's, Louis Ignarro's and Salvador

Moncada's; peroxynitrite Joseph Beckman's; the SOD1 discovery Daniel Rosen's and his colleagues'; penicillin's core Frank Batchelor's and his colleagues'. What this paper adds is the theory's reading — the elements, water, the blood, DNA and the energy books as addresses on one lattice — offered to any chemist so minded, to test.

PART III — WHAT A MEDICINE REALLY DOES

19. A shape at a node

Now we can say plainly what a drug is. A receptor is a node — a place in the body's T-pattern shaped to be filled. **A drug is a small, deliberate T-shape built to fit that node.** Binding is not attraction across a gap; it is overlap — two patterns of time occupying the same address. The strength of the fit has the name chemistry already uses, the dissociation constant, and its energy is $\Delta G = -RT \ln K$: the better the two shapes overlap, the lower the energy, the tighter the drug sits. Five kinds of overlap hold a drug in place — the covalent lock, the ionic pull, the hydrogen bond, the soft touch of van der Waals, and the hydrophobic huddle — and a real drug uses several at once. Enzyme inhibitors occupy the active-site node; agonists fill and turn a receptor node; antagonists fill without turning; channel modulators re-time a gate; antimetabolites jam a node with a mimic. Every one is the same field finding the same address by a different route.

20. The journey, the pace, the fit

A medicine must travel before it can act — absorbed, distributed, rebuilt or dismantled by the liver, excreted — which is why a molecule that fits its target perfectly in a test tube can still fail in a body: it may never reach the node. Enzymes, the body's machine-tools, run by the Michaelis–Menten law, and a drug that blocks one sits in its node or warps the machine elsewhere. A perfect drug would fill one node and no other; real drugs half-fit others, and those stray overlaps are what we feel as side-effects. **Resistance reads cleanly in this light.** A target that sits on a pure lattice address is hard for an organism to move — the lattice offers no nearby foothold — so resistance to a drug aimed there comes slowly; a target on a π-bearing address has neighbours to slip to, and resistance comes fast. Penicillin's core, **216** g/mol [$2^3 \cdot 3^3$, the cube of six], is a key cut to a lattice node the bacterium cannot do without — which, in this reading, is why it worked so long before overuse bred resistance. And a prodrug is a key the body finishes cutting after delivery.

21. One root, many diseases

Follow the superoxide radical and a surprising unity appears. When the body makes more superoxide than its defences can clear, the overflow drives, by the same chemistry, conditions medicine files under different names: in the heart, peroxynitrite and iron-driven Fenton chemistry injure vessel and muscle; in the motor nerves, the same overload is a face of ALS; in the joints, it sustains inflammation. **Three diseases, one root: a T-pattern flooded with off-lattice radicals it can no longer pull back to true.**

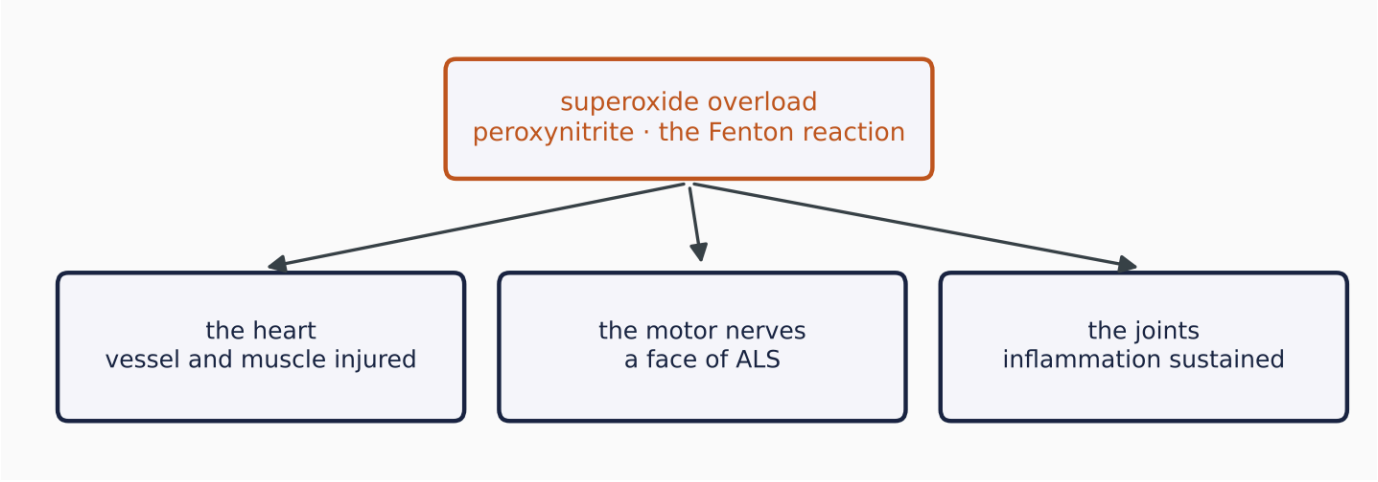


Figure 4 — One root, three diseases: superoxide overload, through peroxynitrite and Fenton chemistry, injures the heart, is a face of ALS in the motor nerves, and sustains inflammation in the joints.

22. A slipped address

A cancer cell wears the wrong coat. The sugar chains healthy cells display on their surface, capped with sialic acid (Neu5Ac, about 309 g/mol), are rewritten in malignancy, and the altered coat helps the tumour hide and wander. In the theory the cell's surface address has slipped off the lattice — and the deep significance, set out in full in the companion paper on cancer, is that a slip is in principle a reversion: an address that has drifted can be brought back.

23. The resolution

We have read the body as a standing pattern of time: its elements as addresses, five of the six great ones on the lattice and the sixth, nitrogen, in the gap as the body's switch; water as the lattice made liquid at 4/3; the blood, the pump and the helix on the fifth; one letter of DNA written in Earth's own hand and its partner carrying the Earth's radius and year. And we have read a medicine for what it is — a second T-shape fitted to a node the body can no longer hold — and one radical root beneath several diseases. Where the framework points to a corrective, its values are printed with their chains; the corrections are stated as principles because the next step is to put them to a clinical trial.

PROPOSITIONS

- **P-MC-1.** The body is a standing pattern of T; the elements are addresses, not ingredients.
- **P-MC-2.** Five of the six elements that make nearly all of the body have lattice atomic numbers — hydrogen 1, carbon 6 [2·3], oxygen 8 [2^3], phosphorus 15 [3·5], calcium 20 [2^2·5]; magnesium 12 [2^2·3], cobalt 27 [3^3] and zinc 30 [2·3·5] are lattice addresses among the essential metals.
- **P-MC-3.** Nitrogen's atomic number is not a lattice address: it sits on the gap, and is the body's switch and bridge.
- **P-MC-4.** Water's refractive index is 4/3 [2^2/3], the body's three-quarter rate; its bend has four faces, one per state — gas 104.4949715636° [$3240/\pi^3$], liquid 103.9030304363° [$16\pi^4/15$], crystal 104.1666666667° [625/6], hydrogen-bonded network 105.0498032004° [$1036.8/\pi^2 = 14400\alpha$, with $1/\alpha = 125\pi^2/9$].
- **P-MC-5.** The body keeps its working ratios on the fifth: blood pressure 120/80 = 3/2; the ion pump 3:2; C–G against A–T hydrogen bonds 3:2.
- **P-MC-6.** Cytosine alone among DNA's letters is π-free: 111.1 g/mol [1000/9]; it is the Earth base.
- **P-MC-7.** The mass gaps across each pair are clean: G − C about 40 [2^3·5], A − T about 9 [3^2].
- **P-MC-8.** Antimatter partners relate by inversion through a node: the theory's Venus, 10^{12}/9216 km, inverted through $2\pi \times 10^{15}$ km², gives Mercury's orbit.
- **P-MC-9.** Guanine's geometry face, 151.0762371490164 [$2^3 \cdot 5^7 \cdot \pi^{10}/3^{18}$], times 36/5 and read as a sphere, has radius 6,379.892321049346 km [$50\pi^3/243$]; through the veil, 365.5409037440503 [$1000\pi^2/27$].
- **P-MC-10.** The band near 430 nm shared by chlorophyll and haem is read at 432 [$2^4 \cdot 3^3$]; the nerve answers at 40 Hz [2^3·5].
- **P-MC-11.** The α-helix turns every 3.6 residues [18/5] and rises 0.54 nm [$2 \cdot 3^3/100$]; full oxidation banks 36 ATP [$(2 \cdot 3)^2$].
- **P-MC-12.** A drug is a T-shape; binding is overlap at a node; $\Delta G = -RT \ln K$; resistance tracks how firmly a target is pinned to the lattice.
- **P-MC-13.** Superoxide overload is one root beneath the heart attack, a face of ALS, and the inflamed joint.
- **P-MC-14.** A cancer's slipped address is in principle a reversion.

REFERENCES

1. Daubney, S. *Health as Optimal T-Flow — The Universal Force of Time Medical Framework*, Revision 5. The Daubney Foundation (2026).
2. Daubney, S. *The Medium Clock*, Revision 4 (water's 4/3); *The Water Photoelectron Spectrum*, Revision 3 (the water faces); *Cancer*, Revision 8; *Eye Conditions*, Revision 5 (the year face and the 670 line). The Daubney Foundation (2026).
3. Skou, J. C. The influence of some cations on an adenosine triphosphatase from peripheral nerves. *Biochimica et Biophysica Acta* 23, 394–401 (1957).

4. Watson, J. D. and Crick, F. H. C. Molecular structure of nucleic acids. *Nature* 171, 737–738 (1953).
5. Pauling, L., Corey, R. B. and Branson, H. R. The structure of proteins: two hydrogen-bonded helical configurations of the polypeptide chain. *PNAS* 37, 205–211 (1951).
6. Michaelis, L. and Menten, M. L. Die Kinetik der Invertinwirkung. *Biochemische Zeitschrift* 49, 333–369 (1913).
7. Warburg, O. On the origin of cancer cells. *Science* 123, 309–314 (1956).
8. Furchgott, R. F. and Zawadzki, J. V. The obligatory role of endothelial cells in the relaxation of arterial smooth muscle by acetylcholine. *Nature* 288, 373–376 (1980).
9. Palmer, R. M. J., Ferrige, A. G. and Moncada, S. Nitric oxide release accounts for the biological activity of endothelium-derived relaxing factor. *Nature* 327, 524–526 (1987).
10. Beckman, J. S. *et al*. Apparent hydroxyl radical production by peroxynitrite: implications for endothelial injury from nitric oxide and superoxide. *PNAS* 87, 1620–1624 (1990).
11. Rosen, D. R. *et al*. Mutations in Cu/Zn superoxide dismutase gene are associated with familial amyotrophic lateral sclerosis. *Nature* 362, 59–62 (1993).
12. Batchelor, F. R. *et al*. Synthesis of penicillin: 6-aminopenicillanic acid in penicillin fermentations. *Nature* 183, 257–258 (1959).
13. Daimon, M. and Masumura, A. Measurement of the refractive index of distilled water from the near-infrared region to the ultraviolet region. *Applied Optics* 46, 3811–3820 (2007).
14. Voet, D. and Voet, J. G. *Biochemistry*, 4th edition. Wiley (2011).

APPENDIX — EVERY NUMBER, REBUILT

Every value can be rebuilt with any calculator, from twos, threes, fives and π. The script MC_calc.py, run at forty-four digits, asserts every station; it passed in full.

```
THE BODY, NUMBER FIRST
   H ; C ; O ; P ; Ca              1 ; 6 ; 8 ; 15 ; 20           1 ; 2.3 ; 2^3 ; 3.5 ; 2^2.5
   Mg ; Co ; Zn                    12 ; 27 ; 30                  2^2.3 ; 3^3 ; 2.3.5
   water's index                   4/3                           2^2/3
   water's bend: gas ; liquid      104.4949715636 ; 103.9030304363 deg    3240/pi^3 ; 16pi^4/15
   water's bend: crystal ; bonded  104.1666666667 ; 105.0498032004 deg    625/6 ; 1036.8/pi^2 = 14400 alpha
   the theory's 1/alpha            137.0778389                   125pi^2/9 = 14400 / bonded face
   blood ; pump ; DNA bonds        120/80 ; 3:2 ; 3:2            3/2
   cytosine                        111.1 g/mol                   1000/9
   Venus (theory) ; Mercury        108,506,944.4 ; 57,905,835.79 km    10^12/9216 ; 2pi.10^15/Venus
   guanine geometry face           151.0762371490164             2^3.5^7.pi^10/3^18
   x 36/5 as a sphere: radius      6,379.892321049346 km         50pi^3/243
   through the veil 180/pi         365.5409037440503             1000pi^2/27
   the shared band ; the nerve     432 ; 40 Hz                   2^4.3^3 ; 2^3.5
   helix                           3.6 per turn ; 0.54 nm        18/5 ; 2.3^3/100
   ATP ; glucose (theory)          36 ; 2,880                    (2.3)^2 ; 2^6.3^2.5
   penicillin core 6-APA           216 g/mol                     2^3.3^3
```

A NOTE ON THE NUMBERS

Throughout this paper a value is given first as the plain physical reading a chemist would make — an atomic number, a mass, a ratio, a length — and only then, in brackets, as its place on the {2,3,5,π} lattice. Where a measured value and the theory's address differ, the paper gives the measurement and states the address as the theory's reading; it does not quote the difference. Where a value is off the lattice, the paper says that it cannot be written in twos, threes and fives. Corrective values are printed with their chains; administration is held in the Foundation's clinical reference and is not prescribed here.

The Daubney Foundation is in ongoing discussions with medical establishments regarding clinical trials of Universal Force of Time solutions to the conditions described in this paper. Any institution or researcher wishing to put themselves forward for participation in these trials is invited to make themselves known through: thedaubneyfoundation@gmail.com

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