

秘水® Explanation of Technos Active Hydrogen Water (negative hydrogen ions water)

To manufacture the Technos active hydrogen water, in the patented circulation system water activation equipment, far-infrared ceramic balls and strong magnetic fields (magnetic energy) are used to generate negative hydrogen ions and activate water.

*The main components of the far-infrared ceramic balls are zeolite (aluminosilicate) and ferrous and ferric iron. Negative hydrogen ions, by bonding with active oxygen, neutralize and detoxify it. **Active oxygen is considered to account for 80-90% of the causes of illness.**

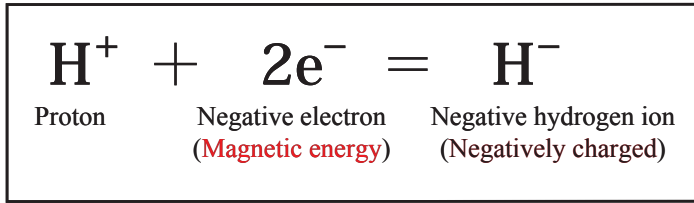
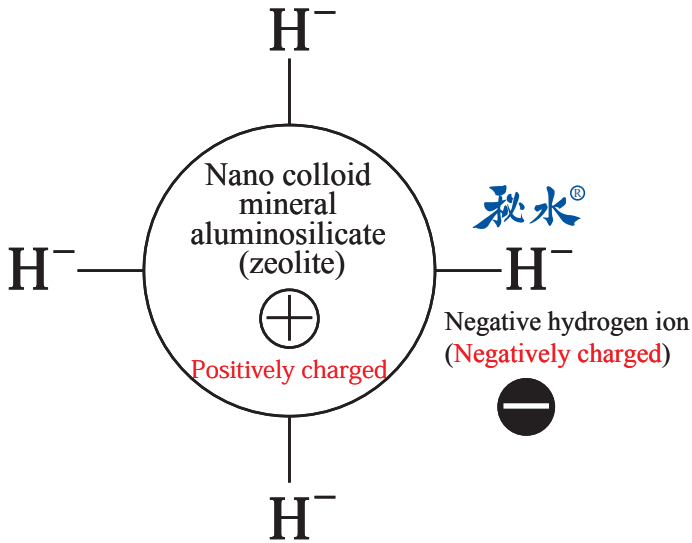


Diagram showing **the stable complex state in water**



Normally, in water, negative hydrogen ions are not stable, and inclined to form hydrogen gas (H₂), and therefore they escape from plastic bottles. In the Technos circulation system water activation equipment, however, friction between the far-infrared ceramic balls generates nano colloids, and concurrently with magnetic fields, a complex state is produced as shown in the diagram below. It has been confirmed that even in plastic bottles, **this complex state is stable.**

Since the particles of the nano colloid mineral aluminosilicate (hereinafter, mineral) are small (one-millionth mm), they remain suspended without settling.

When the mineral dissolves, negative hydrogen ions are released, and negative hydrogen ions are generated.

The generated volume of negative hydrogen ions is larger than the volume escaping through the cap and microscopic holes of a plastic bottle; therefore, even in a plastic bottle Technos active hydrogen water maintains a high level of **stable negative hydrogen ions with an antioxidation effect (SOD)**. Functions to neutralize and detoxify have been confirmed. Several different theories have been proposed to explain this effect, but as the old maxim, a little updated says: **the proof of the pudding is in the drinking.**



*H⁻ (negative hydrogen ion) and H₂ (hydrogen gas) are totally different. **H₂ can be measured by a simple measuring instrument, but H⁻ requires advanced measurement methods.**

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1 The fixed position of hydrogen has traditionally been at the upper left.

But

2 Actually the position might be around here.

Because

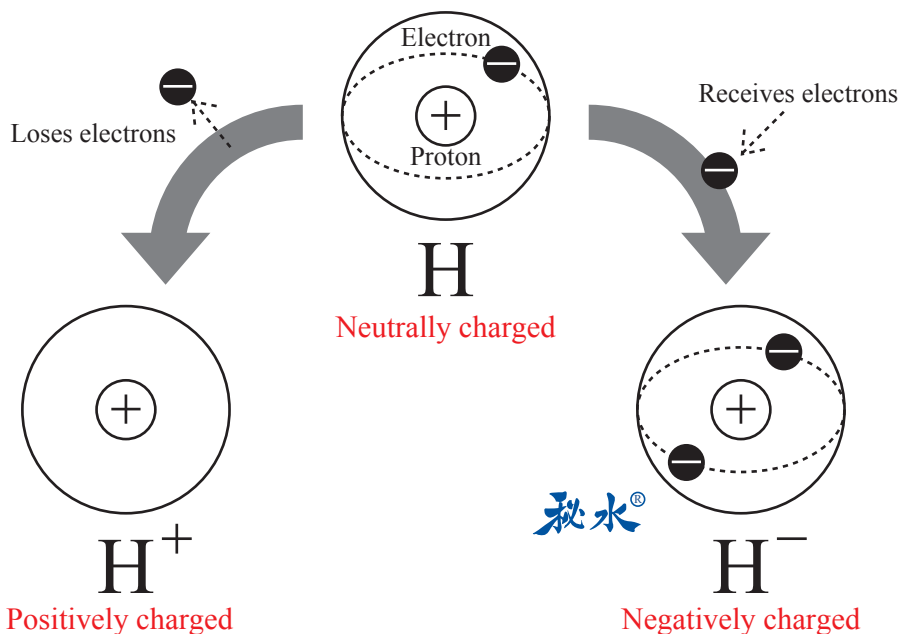
Periodic table of the elements

1 H																	2 He
3 Li	4 Be											5 B	6 C	7 N	8 O	9 F	10 Ne
11 Na	12 Mg											13 Al	14 Si	15 P	16 S	17 Cl	18 Ar
19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe
55 Cs	56 Ba	57~71 La-Lu	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn
87 Fr	88 Ra	89~103 Ac-Lr	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn						

3 Hydrogen is a representative of those elements that are apt to be found in the form of positive ions...but

4 It is now known that surprisingly, negative hydrogen – formerly thought of as a special case – can be easily generated.

Reference: February 10, 2014, Asahi Shimbun newspaper 13th edition



*By applying the above theory, Toyota Motor Corporation has scheduled the release of negative hydrogen vehicles in 2014.

Technos Co., Ltd.

**7th Floor, Hishiwa Palace Building, 33-6 Wakamatsu-cho,
Shinjuku-ku, Tokyo 162-0056 Japan**

Telephone: +81-3-3204-9771 Fax: +81-3-3204-9770

E-mail : technos@nifty.com HP : <http://www.hisui-technos.com/~water>

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