

SOLUTION TO LAST MONTH'S PUZZLE

IA																		
1 H Hydrogen	IIA																2 He Helium	
3 Li Lithium	4 Be Beryllium											VIIA		Zero				
5 B Boron	6 C Carbon	7 N Nitrogen	8 O Oxygen	9 F Flourine	10 Ne Neon													
11 Na Sodium	12 Mg Magnesium	IIIB	IVB	VB	VIB	VII B	VIII	VIII	VIII	IB	IIB	13 Al Aluminum	14 Si Silicon	15 P Phosphorus	16 S Sulfur	17 Cl Chlorine	18 Ar Argon	
19 K Potassium	20 Ca Calcium	21 Sc Scandium	22 Ti Titanium	23 V Vanadium	24 Cr Chromium	25 Mn Manganese	26 Fe Iron	27 Co Cobalt	28 Ni Nickel	29 Cu Copper	30 Zn Zinc	31 Ga Gallium	32 Ge Germanium	33 As Arsenic	34 Se Selenium	35 Br Bromine	36 Kr Krypton	
37 Rb Rubidium	38 Sr Strontium	39 Y Yttrium	40 Zr Zirconium	41 Nb Niobium	42 Mo Molybdenum	43 Tc Technetium	44 Ru Ruthenium	45 Rh Rhodium	46 Pd Palladium	47 Ag Silver	48 Cd Cadmium	49 In Indium	50 Sn Tin	51 Sb Antimony	52 Te Tellurium	53 I Iodine	54 Xe Xenon	
69 Cs Cesium	70 Ba Barium	71 *La Lanthanum	72 Hf Hafnium	73 Ta Tantalum	74 W Tungsten	75 Re Rhenium	76 Os Osmium	77 Ir Iridium	78 Pt Platinum	79 Au Gold	80 Hg Mercury	81 Tl Thallium	82 Pb Lead	83 Bi Bismuth	84 Po Polonium	85 At Astatine	86 Rn Radon	
87 Fr Francium	88 Ra Radium	89 #Ac Actinum																

* 51-71: LANTHANIDE SERIES

58 Ce Cerium	59 Pr Praseodymium	60 Nd Neodymium	61 Pm Promethium	62 Sm Samarium	63 Eu Europium	64 Gd Gadolinium	65 Tb Terbium	66 Dy Dysprosium	67 Ho Holmium	68 Er Erbium	69 Tm Thulium	70 Yb Ytterbium	71 Lu Lutetium
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89-103: ACTINIDE SERIES

90 Th Thorium	91 Pa Protactinium	92 U Uranium	93 Np Neptunium	94 Pu Plutonium	95 Am Americium	96 Cm Curium	97 Bk Berkelium	98 Cf Sodium	99 Es Einsteinium	100 Fm Fermium	101 Md Mendelevium	102 No Nobelium	103 Lw Lawrencium
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HOMING BEACON PUZZLE

Opening up the datacorder (and who doesn't have one by now) displays a grid of 5 squares. There are five subcircuit "plates" that can be moved from square to square. Each of the five subcircuit plates has a jumper that can be moved to any of five IRK settings - IRK 1, IRK 3, IRK 5, IRK7, and IRK 9 - and a socket to accept any of five chips: the Spentium, the Dentium, the Repentium, the Fermentium, and the Dimtel. The squares that the plates fit into are called the Sensor Arrays A to E.

PLAYER MUST:

- ☞ Figure out which plate goes into which Sensor Array square (A-E).
- ☞ Insert the correct chips into each plate's socket.
- ☞ Assign the correct IRK jumper number to each plate.

PLATES	IRKS	SENSOR ARRAYS	CHIPS
Tachyon Transmitter	1	A	Dentium
Particle Shield	3	B	Repentium
Subspace Emitter	5	C	Fermentium
Recalibrating Fluctuator	7	D	Dimtel
Feedback Cutter-Offer	9	E	Spentium

All five plates are needed to create the homing beacon. We know that the Feedback Cutter-Offer and Tachyon Transmitter plates need to follow certain configuration rules explained herein. But some confusion about the remaining plates (Recalibrating Fluctuator, Subspace Emitter and Particle Shield) still exists.

Of these three, we know that:

- a. One must be placed at Sensor Array E
- b. One of the others must be set at IRK 1
- c. The remaining one uses the Spentium chip.

HOMING BEACON PUZZLE HINTS

We do know for sure that:

1. The Tachyon Transmitter should use the Dentium chip and should not be placed at Sensor Array C.
2. The Particle Shield should not be placed at Sensor Array E.
3. The Subspace Emitter should not use IRK 7.
4. The Recalibrating Fluctuator should be placed at Sensor Array A and be set to IRK 9.
5. The Feedback Cutter-Officer won't work with the Fermentium chip and should not go in Sensor Array B or C.
6. The plate that uses IRK 3 also uses the Dimtel chip.
7. The plate in Sensor Array D must be set to IRK 5.

WORKSHEET FOR SOLVING HOMING BEACON PUZZLE

TACHYON TRANSMITTER

1	A	Dentium
3	B	Repentium
5	C	Fermentium
7	D	Dimtel
9	E	Spentium

PARTICLE SHIELD

1	A	Dentium
3	B	Repentium
5	C	Fermentium
7	D	Dimtel
9	E	Spentium

SUBSPACE EMITTER

1	A	Dentium
3	B	Repentium
5	C	Fermentium
7	D	Dimtel
9	E	Spentium

RECALIBRATING FLUCTUATOR

1	A	Dentium
3	B	Repentium
5	C	Fermentium
7	D	Dimtel
9	E	Spentium

FEEDBACK CUTTER-OFFICER

1	A	Dentium
3	B	Repentium
5	C	Fermentium
7	D	Dimtel
9	E	Spentium