

**Tie Particles With Exactly These 3 Elements**

			# Times These	When 1-2-3 Together	When 1-2-3 Together	When 1-2-3 Together
<u>1st Element</u>	<u>2nd Element</u>	<u>3rd Element</u>	<u>Are 1-2-3</u>	<u>Avg Wt 1st Element</u>	<u>Avg Wt 2nd Element</u>	<u>Avg Wt 3rd Element</u>
Aluminum	Chlorine	Nickel	3	75%	21%	4%
Aluminum	Chlorine	Palladium	3	48%	43%	9%
Aluminum	Chlorine	Sulfur	5	77%	17%	6%
Aluminum	Copper	Chlorine	1	91%	8%	1%
Aluminum	Copper	Magnesium	1	57%	41%	2%
Aluminum	Copper	Potassium	1	93%	6%	0.25%
Aluminum	Copper	Silicon	5	50%	49%	1%
Aluminum	Gold	Magnesium	11	79%	18%	3%
Aluminum	Iron	Copper	4	38%	33%	30%
Aluminum	Iron	Magnesium	41	71%	24%	5%
Aluminum	Magnesium	Chlorine	16	95%	4%	1%
Aluminum	Magnesium	Chromium	1	95%	5%	0.18%
Aluminum	Magnesium	Nickel	88	89%	8%	3%
Aluminum	Magnesium	Potassium	2	95%	4%	1%
Aluminum	Magnesium	Sodium	1	96%	4%	0.32%
Aluminum	Magnesium	Sulfur	6	94%	4%	3%
Aluminum	Magnesium	Tin	1	97%	2%	1%
Aluminum	Nickel	Sodium	1	96%	3%	1%
Aluminum	Palladium	Magnesium	59	84%	8%	8%
Aluminum	Palladium	Sodium	1	85%	11%	4%
Aluminum	Sulfur	Nickel	6	68%	25%	7%
Aluminum	Titanium	Potassium	2	52%	48%	1%
Aluminum	Zirconium	Calcium	1	67%	29%	4%
Aluminum	Zirconium	Chlorine	10	63%	33%	4%
Antimony	Aluminum	Calcium	3	90%	6%	4%
Antimony	Aluminum	Chlorine	3	93%	5%	2%
Antimony	Aluminum	Silicon	5	93%	5%	2%
Antimony	Aluminum	Sulfur	1	96%	2%	1%
Antimony	Bromine	Silicon	2	99%	1%	0.18%
Antimony	Chlorine	Calcium	1	81%	17%	2%
Antimony	Chlorine	Silicon	1	99%	1%	0.45%
Antimony	Chlorine	Sulfur	1	78%	21%	1%
Antimony	Nickel	Aluminum	1	96%	3%	1%
Antimony	Palladium	Aluminum	78	89%	6%	4%
Antimony	Palladium	Bromine	4	93%	5%	2%
Antimony	Palladium	Calcium	3	90%	7%	3%
Antimony	Palladium	Iron	1	89%	6%	5%
Antimony	Palladium	Silicon	5	91%	6%	3%
Antimony	Palladium	Titanium	1	89%	8%	3%
Antimony	Silicon	Calcium	1	97%	1%	1%
Antimony	Sulfur	Calcium	1	73%	26%	1%
Barium	Sulfur	Aluminum	15	80%	17%	3%
Barium	Sulfur	Bromine	4	82%	17%	1%
Barium	Sulfur	Calcium	2	80%	19%	1%
Barium	Sulfur	Magnesium	2	82%	18%	1%
Barium	Sulfur	Nickel	32	81%	16%	3%

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<u>1st Element</u>	<u>2nd Element</u>	<u>3rd Element</u>	<u>Are 1-2-3</u>	<u>Avg Wt 1st Element</u>	<u>Avg Wt 2nd Element</u>	<u>Avg Wt 3rd Element</u>
Barium	Sulfur	Palladium	2	77%	17%	6%
Barium	Sulfur	Potassium	1	81%	18%	1%
Barium	Sulfur	Silicon	6	81%	18%	1%
Barium	Sulfur	Sodium	2	81%	19%	0.50%
Barium	Sulfur	Titanium	1	74%	17%	9%
Barium	Sulfur	Zinc	2	71%	20%	8%
Bismuth	Chlorine	Aluminum	88	88%	9%	3%
Bismuth	Chlorine	Bromine	2	90%	9%	1%
Bismuth	Chlorine	Calcium	1	90%	9%	1%
Bismuth	Chlorine	Magnesium	3	90%	10%	0.24%
Bismuth	Chlorine	Nickel	65	87%	9%	4%
Bismuth	Chlorine	Palladium	4	85%	9%	6%
Bismuth	Chlorine	Silicon	16	90%	9%	1%
Bismuth	Chlorine	Sulfur	1	90%	9%	1%
Cadmium	Calcium	Silicon	1	98%	2%	1%
Cadmium	Iron	Aluminum	1	96%	2%	2%
Cadmium	Nickel	Aluminum	1	93%	6%	1%
Cadmium	Nickel	Silicon	1	95%	4%	1%
Cadmium	Palladium	Aluminum	1	90%	5%	5%
Cadmium	Palladium	Silicon	1	92%	7%	2%
Cadmium	Sulfur	Sodium	1	80%	19%	1%
Calcium	Aluminum	Barium	1	93%	4%	3%
Calcium	Aluminum	Chlorine	11	94%	5%	1%
Calcium	Aluminum	Copper	3	91%	6%	3%
Calcium	Aluminum	Magnesium	224	83%	10%	7%
Calcium	Aluminum	Nickel	255	90%	5%	4%
Calcium	Aluminum	Sodium	14	96%	3%	1%
Calcium	Aluminum	Zinc	1	98%	1%	1%
Calcium	Barium	Magnesium	2	97%	3%	0.35%
Calcium	Barium	Silicon	6	61%	21%	17%
Calcium	Bromine	Titanium	1	97%	2%	1%
Calcium	Chlorine	Potassium	1	95%	4%	2%
Calcium	Copper	Magnesium	1	97%	2%	1%
Calcium	Fluorine	Silicon	3	93%	4%	3%
Calcium	Iron	Sulfur	6	50%	36%	14%
Calcium	Magnesium	Chlorine	11	95%	4%	1%
Calcium	Magnesium	Iron	8	66%	25%	9%
Calcium	Magnesium	Nickel	227	90%	6%	4%
Calcium	Magnesium	Sodium	23	98%	2%	1%
Calcium	Manganese	Aluminum	1	96%	2%	1%
Calcium	Manganese	Magnesium	1	96%	2%	1%
Calcium	Nickel	Chlorine	12	94%	5%	1%
Calcium	Nickel	Sodium	36	95%	4%	1%
Calcium	Palladium	Aluminum	156	88%	8%	5%
Calcium	Palladium	Chlorine	1	87%	10%	3%
Calcium	Palladium	Magnesium	42	87%	7%	5%

**Tie Particles With Exactly These 3 Elements**

<u>1st Element</u>	<u>2nd Element</u>	<u>3rd Element</u>	<u># Times These Are 1-2-3</u>	<u>When 1-2-3 Together Avg Wt 1st Element</u>	<u>When 1-2-3 Together Avg Wt 2nd Element</u>	<u>When 1-2-3 Together Avg Wt 3rd Element</u>
Calcium	Palladium	Manganese	1	91%	7%	2%
Calcium	Palladium	Silicon	162	87%	7%	5%
Calcium	Palladium	Sodium	1	93%	6%	1%
Calcium	Phosphorus	Aluminum	31	86%	9%	6%
Calcium	Phosphorus	Bromine	2	77%	21%	1%
Calcium	Phosphorus	Chlorine	4	72%	27%	1%
Calcium	Phosphorus	Magnesium	34	92%	4%	4%
Calcium	Phosphorus	Nickel	63	87%	7%	6%
Calcium	Phosphorus	Palladium	7	88%	7%	5%
Calcium	Phosphorus	Silicon	215	90%	7%	3%
Calcium	Phosphorus	Sodium	14	76%	21%	4%
Calcium	Phosphorus	Zinc	1	54%	42%	4%
Calcium	Potassium	Aluminum	1	96%	3%	1%
Calcium	Potassium	Magnesium	2	97%	2%	1%
Calcium	Potassium	Nickel	12	87%	9%	4%
Calcium	Potassium	Sodium	3	97%	2%	1%
Calcium	Potassium	Sulfur	13	52%	26%	23%
Calcium	Silicon	Aluminum	1047	66%	22%	11%
Calcium	Silicon	Bromine	2	98%	1%	0.40%
Calcium	Silicon	Chlorine	100	73%	24%	2%
Calcium	Silicon	Chromium	6	64%	18%	18%
Calcium	Silicon	Copper	1	95%	3%	2%
Calcium	Silicon	Magnesium	969	78%	12%	11%
Calcium	Silicon	Manganese	4	49%	49%	2%
Calcium	Silicon	Nickel	1558	85%	11%	4%
Calcium	Silicon	Sodium	181	82%	17%	1%
Calcium	Silicon	Zinc	13	78%	17%	5%
Calcium	Silver	Silicon	1	92%	5%	3%
Calcium	Sulfur	Aluminum	165	69%	27%	4%
Calcium	Sulfur	Chlorine	12	74%	16%	9%
Calcium	Sulfur	Chromium	3	55%	45%	1%
Calcium	Sulfur	Copper	1	55%	44%	2%
Calcium	Sulfur	Magnesium	23	80%	18%	2%
Calcium	Sulfur	Manganese	2	55%	44%	1%
Calcium	Sulfur	Nickel	210	64%	32%	4%
Calcium	Sulfur	Palladium	53	65%	28%	8%
Calcium	Sulfur	Phosphorus	9	88%	8%	4%
Calcium	Sulfur	Silicon	643	83%	11%	6%
Calcium	Sulfur	Sodium	80	63%	35%	2%
Calcium	Sulfur	Zinc	2	54%	44%	2%
Calcium	Titanium	Magnesium	6	79%	20%	1%
Calcium	Titanium	Nickel	11	66%	29%	5%
Calcium	Titanium	Phosphorus	2	50%	49%	1%
Calcium	Titanium	Silicon	110	60%	28%	12%
Calcium	Titanium	Sodium	3	93%	7%	1%
Calcium	Titanium	Sulfur	10	53%	26%	21%

**Tie Particles With Exactly These 3 Elements**

<u>1st Element</u>	<u>2nd Element</u>	<u>3rd Element</u>	<u># Times These Are 1-2-3</u>	<u>When 1-2-3 Together Avg Wt 1st Element</u>	<u>When 1-2-3 Together Avg Wt 2nd Element</u>	<u>When 1-2-3 Together Avg Wt 3rd Element</u>
Calcium	Yttrium	Silicon	3	93%	7%	1%
Cerium	Iron	Calcium	1	57%	42%	1%
Cerium	Iron	Silicon	1	66%	34%	1%
Cerium	Lanthanum	Aluminum	3	66%	33%	1%
Cerium	Lanthanum	Nickel	1	71%	26%	3%
Cerium	Lanthanum	Phosphorus	1	74%	24%	2%
Cerium	Lanthanum	Silicon	2	69%	30%	1%
Chlorine	Sodium	Aluminum	64	72%	24%	3%
Chlorine	Sodium	Barium	1	75%	23%	2%
Chlorine	Sodium	Bromine	4	73%	26%	1%
Chlorine	Sodium	Calcium	11	69%	21%	10%
Chlorine	Sodium	Magnesium	8	77%	23%	0.21%
Chlorine	Sodium	Nickel	15	75%	23%	2%
Chlorine	Sodium	Palladium	33	70%	23%	7%
Chlorine	Sodium	Potassium	4	72%	25%	3%
Chlorine	Sodium	Silicon	41	62%	23%	15%
Chlorine	Sodium	Sulfur	3	70%	28%	1%
Chlorine	Sodium	Titanium	1	71%	25%	4%
Chlorine	Sodium	Zirconium	1	83%	16%	1%
Chromium	Calcium	Nickel	2	49%	48%	3%
Chromium	Nickel	Aluminum	2	64%	34%	2%
Chromium	Nickel	Magnesium	1	96%	3%	1%
Chromium	Palladium	Aluminum	1	91%	7%	2%
Chromium	Potassium	Aluminum	1	54%	44%	2%
Chromium	Potassium	Iron	1	53%	40%	8%
Chromium	Potassium	Palladium	4	55%	38%	7%
Copper	Aluminum	Palladium	8	80%	14%	6%
Copper	Chlorine	Sodium	1	98%	2%	1%
Copper	Nickel	Aluminum	13	73%	18%	9%
Copper	Nickel	Silicon	20	84%	11%	6%
Copper	Nickel	Sulfur	3	89%	5%	5%
Copper	Sulfur	Aluminum	3	86%	12%	2%
Copper	Sulfur	Chlorine	1	98%	1%	1%
Copper	Zinc	Nickel	8	52%	38%	10%
Gold	Aluminum	Chlorine	1	88%	10%	3%
Gold	Aluminum	Nickel	18	89%	7%	4%
Gold	Aluminum	Sulfur	2	97%	2%	1%
Gold	Copper	Nickel	3	56%	30%	14%
Gold	Iron	Palladium	1	80%	14%	6%
Gold	Nickel	Calcium	3	86%	12%	2%
Gold	Nickel	Chlorine	2	86%	13%	1%
Gold	Nickel	Iron	6	93%	5%	2%
Gold	Nickel	Magnesium	3	94%	5%	0.47%
Gold	Nickel	Sulfur	2	95%	4%	1%
Gold	Palladium	Aluminum	23	79%	11%	10%
Gold	Palladium	Silicon	2	90%	8%	2%

**Tie Particles With Exactly These 3 Elements**

			# Times These	When 1-2-3 Together	When 1-2-3 Together	When 1-2-3 Together
<u>1st Element</u>	<u>2nd Element</u>	<u>3rd Element</u>	<u>Are 1-2-3</u>	<u>Avg Wt 1st Element</u>	<u>Avg Wt 2nd Element</u>	<u>Avg Wt 3rd Element</u>
Gold	Silicon	Nickel	8	85%	11%	4%
Gold	Zirconium	Aluminum	1	94%	3%	3%
Gold	Zirconium	Nickel	3	92%	4%	4%
Iron	Aluminum	Chlorine	10	94%	4%	2%
Iron	Aluminum	Cobalt	1	95%	4%	0.36%
Iron	Aluminum	Manganese	7	96%	2%	2%
Iron	Aluminum	Nickel	24	88%	7%	5%
Iron	Aluminum	Palladium	28	85%	8%	7%
Iron	Aluminum	Phosphorus	2	93%	5%	2%
Iron	Aluminum	Sodium	1	96%	3%	1%
Iron	Aluminum	Sulfur	2	91%	6%	3%
Iron	Aluminum	Zinc	1	97%	2%	1%
Iron	Aluminum	Zirconium	1	97%	2%	1%
Iron	Barium	Silicon	3	92%	7%	2%
Iron	Bromine	Zinc	1	99%	0%	0.25%
Iron	Calcium	Aluminum	10	88%	10%	2%
Iron	Calcium	Nickel	5	76%	18%	6%
Iron	Calcium	Palladium	4	47%	46%	7%
Iron	Calcium	Phosphorus	2	98%	2%	1%
Iron	Calcium	Potassium	1	99%	1%	1%
Iron	Calcium	Titanium	2	83%	9%	8%
Iron	Cerium	Aluminum	2	51%	46%	3%
Iron	Chlorine	Calcium	6	96%	3%	1%
Iron	Chlorine	Magnesium	1	99%	1%	0.37%
Iron	Chlorine	Palladium	1	89%	7%	5%
Iron	Chlorine	Sodium	1	92%	7%	0.28%
Iron	Chlorine	Sulfur	3	95%	4%	1%
Iron	Chromium	Aluminum	6	90%	7%	3%
Iron	Chromium	Magnesium	1	85%	15%	0.23%
Iron	Chromium	Nickel	9	74%	16%	10%
Iron	Chromium	Silicon	16	81%	13%	6%
Iron	Chromium	Sodium	1	51%	48%	0.39%
Iron	Cobalt	Silicon	5	98%	1%	1%
Iron	Copper	Chlorine	1	93%	6%	1%
Iron	Copper	Nickel	34	46%	45%	9%
Iron	Copper	Silicon	2	91%	9%	0.24%
Iron	Gold	Aluminum	2	61%	29%	10%
Iron	Magnesium	Nickel	2	49%	46%	4%
Iron	Manganese	Calcium	2	98%	2%	1%
Iron	Manganese	Chlorine	1	97%	2%	1%
Iron	Manganese	Magnesium	1	98%	1%	0.25%
Iron	Manganese	Phosphorus	1	99%	1%	0.37%
Iron	Manganese	Silicon	20	97%	2%	1%
Iron	Manganese	Sulfur	1	99%	1%	0.20%
Iron	Nickel	Chlorine	5	94%	3%	3%
Iron	Nickel	Manganese	1	95%	4%	1%

**Tie Particles With Exactly These 3 Elements**

			# Times These	When 1-2-3 Together	When 1-2-3 Together	When 1-2-3 Together
<u>1st Element</u>	<u>2nd Element</u>	<u>3rd Element</u>	<u>Are 1-2-3</u>	<u>Avg Wt 1st Element</u>	<u>Avg Wt 2nd Element</u>	<u>Avg Wt 3rd Element</u>
Iron	Nickel	Potassium	1	98%	2%	0.40%
Iron	Nickel	Sodium	2	97%	3%	0.33%
Iron	Nickel	Sulfur	2	95%	3%	2%
Iron	Nickel	Zinc	2	86%	9%	5%
Iron	Palladium	Sulfur	1	93%	5%	1%
Iron	Phosphorus	Magnesium	1	98%	1%	0.29%
Iron	Potassium	Sodium	1	98%	1%	0.22%
Iron	Silicon	Bromine	5	95%	3%	2%
Iron	Silicon	Calcium	124	71%	17%	11%
Iron	Silicon	Chlorine	24	93%	5%	2%
Iron	Silicon	Nickel	98	68%	29%	3%
Iron	Silicon	Palladium	22	60%	34%	7%
Iron	Silicon	Phosphorus	10	89%	10%	1%
Iron	Silicon	Sulfur	19	84%	11%	4%
Iron	Sulfur	Potassium	1	51%	48%	1%
Iron	Sulfur	Sodium	2	75%	25%	0.42%
Iron	Sulfur	Zirconium	1	98%	1%	1%
Iron	Titanium	Aluminum	8	68%	29%	3%
Iron	Titanium	Magnesium	1	55%	44%	0.38%
Iron	Titanium	Manganese	1	50%	48%	2%
Iron	Titanium	Palladium	1	51%	45%	5%
Iron	Titanium	Silicon	28	62%	26%	11%
Iron	Zinc	Silicon	4	96%	3%	1%
Lead	Calcium	Chlorine	1	97%	1%	1%
Lead	Nickel	Chlorine	1	95%	4%	1%
Lead	Phosphorus	Chlorine	2	90%	8%	3%
Lead	Strontium	Aluminum	1	96%	2%	1%
Lead	Sulfur	Aluminum	3	90%	9%	2%
Lead	Sulfur	Chlorine	1	94%	4%	2%
Lead	Sulfur	Nickel	1	83%	12%	4%
Lead	Sulfur	Silicon	1	86%	14%	1%
Magnesium	Nickel	Chlorine	1	96%	3%	1%
Molybdenum	Nickel	Aluminum	1	94%	3%	2%
Molybdenum	Potassium	Silicon	1	96%	3%	1%
Molybdenum	Potassium	Sodium	1	91%	8%	1%
Molybdenum	Sulfur	Titanium	1	61%	37%	3%
Nickel	Bromine	Silicon	2	99%	0%	0.15%
Phosphorus	Aluminum	Magnesium	1	97%	2%	0.39%
Phosphorus	Aluminum	Nickel	2	92%	5%	3%
Phosphorus	Aluminum	Potassium	25	87%	7%	6%
Phosphorus	Calcium	Potassium	35	85%	8%	7%
Phosphorus	Palladium	Potassium	1	93%	6%	1%
Phosphorus	Potassium	Magnesium	2	91%	7%	1%
Phosphorus	Potassium	Nickel	36	91%	5%	4%
Phosphorus	Potassium	Silicon	10	95%	4%	1%
Phosphorus	Potassium	Sodium	14	88%	9%	2%

**Tie Particles With Exactly These 3 Elements**

			# Times These	When 1-2-3 Together	When 1-2-3 Together	When 1-2-3 Together
<u>1st Element</u>	<u>2nd Element</u>	<u>3rd Element</u>	<u>Are 1-2-3</u>	<u>Avg Wt 1st Element</u>	<u>Avg Wt 2nd Element</u>	<u>Avg Wt 3rd Element</u>
Phosphorus	Potassium	Sulfur	2	95%	2%	2%
Phosphorus	Sodium	Aluminum	3	83%	16%	2%
Phosphorus	Sodium	Magnesium	2	71%	28%	1%
Phosphorus	Sodium	Nickel	3	83%	11%	6%
Phosphorus	Sodium	Silicon	5	59%	21%	20%
Phosphorus	Sulfur	Aluminum	1	95%	3%	2%
Phosphorus	Titanium	Potassium	1	92%	4%	4%
Potassium	Chlorine	Aluminum	4	49%	46%	5%
Potassium	Chlorine	Barium	1	50%	47%	2%
Potassium	Chlorine	Nickel	29	51%	48%	2%
Potassium	Chlorine	Palladium	5	48%	46%	6%
Potassium	Chlorine	Silicon	4	37%	37%	26%
Potassium	Nickel	Aluminum	2	97%	3%	1%
Potassium	Nickel	Sodium	1	95%	4%	1%
Silicon	Aluminum	Barium	4	72%	26%	2%
Silicon	Aluminum	Chlorine	32	63%	35%	2%
Silicon	Aluminum	Chromium	2	97%	2%	1%
Silicon	Aluminum	Nickel	502	74%	22%	4%
Silicon	Aluminum	Palladium	319	70%	23%	7%
Silicon	Aluminum	Potassium	294	58%	22%	20%
Silicon	Aluminum	Sodium	154	73%	20%	7%
Silicon	Aluminum	Sulfur	79	71%	28%	1%
Silicon	Aluminum	Yttrium	1	97%	2%	1%
Silicon	Calcium	Potassium	42	59%	40%	1%
Silicon	Chlorine	Nickel	20	86%	10%	3%
Silicon	Cobalt	Sulfur	1	88%	9%	3%
Silicon	Iron	Aluminum	227	49%	42%	8%
Silicon	Iron	Potassium	22	74%	25%	1%
Silicon	Iron	Sodium	12	65%	34%	1%
Silicon	Magnesium	Aluminum	847	59%	30%	11%
Silicon	Magnesium	Barium	1	64%	33%	2%
Silicon	Magnesium	Chlorine	118	64%	34%	2%
Silicon	Magnesium	Copper	1	63%	33%	4%
Silicon	Magnesium	Iron	111	51%	25%	24%
Silicon	Magnesium	Nickel	199	61%	35%	5%
Silicon	Magnesium	Palladium	61	61%	32%	8%
Silicon	Magnesium	Potassium	13	78%	21%	1%
Silicon	Magnesium	Sodium	18	73%	26%	1%
Silicon	Magnesium	Sulfur	16	69%	29%	1%
Silicon	Nickel	Chromium	1	95%	4%	1%
Silicon	Nickel	Phosphorus	3	83%	16%	1%
Silicon	Nickel	Sodium	29	97%	3%	1%
Silicon	Nickel	Sulfur	34	96%	3%	1%
Silicon	Palladium	Bromine	1	94%	5%	1%
Silicon	Palladium	Chlorine	2	90%	8%	3%
Silicon	Palladium	Manganese	1	89%	8%	3%

**Tie Particles With Exactly These 3 Elements**

			# Times These	When 1-2-3 Together	When 1-2-3 Together	When 1-2-3 Together
<u>1st Element</u>	<u>2nd Element</u>	<u>3rd Element</u>	<u>Are 1-2-3</u>	<u>Avg Wt 1st Element</u>	<u>Avg Wt 2nd Element</u>	<u>Avg Wt 3rd Element</u>
Silicon	Palladium	Potassium	4	91%	7%	2%
Silicon	Palladium	Sodium	2	92%	7%	1%
Silicon	Palladium	Sulfur	15	89%	10%	2%
Silicon	Phosphorus	Aluminum	3	49%	33%	17%
Silicon	Potassium	Nickel	27	93%	4%	3%
Silicon	Potassium	Sodium	7	99%	1%	0.42%
Silicon	Sulfur	Bromine	1	97%	1%	1%
Silicon	Sulfur	Chlorine	4	97%	2%	1%
Silicon	Sulfur	Potassium	3	98%	1%	1%
Silicon	Sulfur	Sodium	23	94%	4%	2%
Silicon	Tin	Sulfur	3	51%	47%	2%
Silicon	Titanium	Potassium	3	64%	35%	1%
Silicon	Yttrium	Iron	1	91%	6%	3%
Silicon	Yttrium	Palladium	2	85%	9%	7%
Silicon	Zinc	Aluminum	7	75%	17%	8%
Silicon	Zinc	Potassium	1	98%	2%	1%
Silicon	Zinc	Titanium	7	37%	35%	28%
Silver	Chlorine	Nickel	3	90%	7%	3%
Silver	Chlorine	Palladium	1	77%	14%	9%
Silver	Chlorine	Silicon	2	81%	17%	2%
Silver	Copper	Sulfur	1	44%	39%	17%
Silver	Palladium	Silicon	1	90%	8%	2%
Silver	Sulfur	Aluminum	8	86%	11%	3%
Silver	Sulfur	Bromine	2	88%	11%	1%
Silver	Sulfur	Chlorine	5	90%	8%	3%
Silver	Sulfur	Magnesium	1	87%	13%	0.31%
Silver	Sulfur	Nickel	3	84%	12%	4%
Silver	Sulfur	Palladium	1	82%	9%	9%
Strontium	Sulfur	Calcium	1	82%	17%	1%
Strontium	Sulfur	Nickel	2	72%	19%	10%
Strontium	Sulfur	Palladium	1	76%	17%	7%
Strontium	Titanium	Calcium	1	71%	28%	1%
Strontium	Titanium	Nickel	1	67%	31%	2%
Sulfur	Potassium	Sodium	23	46%	40%	14%
Sulfur	Sodium	Magnesium	3	62%	37%	1%
Sulfur	Sodium	Palladium	9	56%	36%	8%
Sulfur	Sodium	Titanium	1	58%	41%	1%
Sulfur	Zinc	Sodium	1	56%	42%	2%
Tin	Aluminum	Phosphorus	1	98%	1%	0.39%
Tin	Calcium	Aluminum	1	99%	1%	0.37%
Tin	Iron	Aluminum	4	75%	22%	3%
Tin	Iron	Nickel	5	92%	5%	2%
Tin	Iron	Silicon	13	81%	18%	1%
Tin	Lead	Magnesium	1	82%	17%	0.48%
Tin	Nickel	Aluminum	2	95%	4%	1%
Tin	Nickel	Calcium	3	92%	5%	3%



**Tie Particles With Exactly These 3 Elements**

			# Times These	When 1-2-3 Together	When 1-2-3 Together	When 1-2-3 Together
<u>1st Element</u>	<u>2nd Element</u>	<u>3rd Element</u>	<u>Are 1-2-3</u>	<u>Avg Wt 1st Element</u>	<u>Avg Wt 2nd Element</u>	<u>Avg Wt 3rd Element</u>
Tin	Nickel	Silicon	18	94%	5%	1%
Tin	Nickel	Sodium	4	96%	3%	1%
Tin	Potassium	Aluminum	3	96%	3%	1%
Tin	Silicon	Aluminum	5	78%	19%	4%
Tin	Silicon	Calcium	5	58%	28%	14%
Tin	Silicon	Magnesium	4	74%	17%	9%
Tin	Silicon	Sodium	2	99%	1%	0.42%
Titanium	Aluminum	Chlorine	6	78%	19%	3%
Titanium	Aluminum	Magnesium	9	93%	6%	0.44%
Titanium	Aluminum	Nickel	119	92%	4%	4%
Titanium	Aluminum	Phosphorus	3	93%	5%	2%
Titanium	Aluminum	Sodium	6	95%	5%	0.49%
Titanium	Aluminum	Sulfur	10	95%	4%	1%
Titanium	Barium	Aluminum	1	89%	7%	3%
Titanium	Calcium	Aluminum	12	66%	31%	3%
Titanium	Chlorine	Calcium	6	94%	4%	2%
Titanium	Gold	Aluminum	1	94%	4%	2%
Titanium	Iron	Nickel	3	51%	47%	3%
Titanium	Nickel	Magnesium	1	97%	3%	1%
Titanium	Nickel	Phosphorus	1	96%	4%	1%
Titanium	Nickel	Potassium	1	96%	3%	1%
Titanium	Nickel	Sodium	1	96%	4%	0.42%
Titanium	Nickel	Sulfur	1	97%	2%	1%
Titanium	Palladium	Aluminum	38	89%	7%	4%
Titanium	Palladium	Calcium	1	93%	5%	2%
Titanium	Palladium	Chlorine	2	89%	9%	2%
Titanium	Palladium	Sulfur	1	86%	12%	2%
Titanium	Potassium	Sodium	1	89%	10%	0.48%
Titanium	Silicon	Aluminum	185	73%	16%	11%
Titanium	Silicon	Chlorine	23	85%	10%	4%
Titanium	Silicon	Magnesium	13	49%	34%	16%
Titanium	Silicon	Nickel	62	82%	14%	4%
Titanium	Silicon	Palladium	4	70%	24%	6%
Titanium	Silicon	Phosphorus	4	98%	1%	1%
Titanium	Silicon	Sodium	8	74%	25%	1%
Titanium	Silicon	Sulfur	8	74%	24%	2%
Tungsten	Nickel	Aluminum	1	89%	6%	5%
Tungsten	Nickel	Calcium	1	95%	5%	0.46%
Zinc	Aluminum	Sodium	3	95%	3%	2%
Zinc	Copper	Aluminum	5	61%	37%	3%
Zinc	Nickel	Aluminum	41	94%	4%	2%
Zinc	Nickel	Calcium	24	91%	5%	4%
Zinc	Nickel	Chlorine	4	95%	5%	0.46%
Zinc	Nickel	Magnesium	4	94%	5%	1%
Zinc	Nickel	Potassium	2	95%	5%	0.27%
Zinc	Nickel	Silicon	147	93%	5%	1%

**Tie Particles With Exactly These 3 Elements**

<u>1st Element</u>	<u>2nd Element</u>	<u>3rd Element</u>	<u># Times These Are 1-2-3</u>	<u>When 1-2-3 Together Avg Wt 1st Element</u>	<u>When 1-2-3 Together Avg Wt 2nd Element</u>	<u>When 1-2-3 Together Avg Wt 3rd Element</u>
Zinc	Nickel	Sodium	130	94%	5%	2%
Zinc	Nickel	Sulfur	6	94%	5%	1%
Zinc	Palladium	Aluminum	3	92%	5%	3%
Zinc	Palladium	Silicon	1	93%	5%	2%
Zinc	Sodium	Silicon	2	96%	3%	1%
Zinc	Titanium	Aluminum	3	65%	33%	2%
Zinc	Titanium	Nickel	109	90%	5%	5%
Zinc	Titanium	Sodium	3	91%	7%	2%
Zirconium	Aluminum	Silicon	1	59%	40%	1%
Zirconium	Silicon	Nickel	1	74%	22%	3%