

# A "light-hearted" crostic

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We'll send a book prize to the person whose name we draw from among those who submit the correct solution (including the clue answers) to this puzzle on or before September 30, 2013. Fax: 519-888-9168. E-mail: kjackson@uwaterloo.ca. Post: Chem 13 News, A "light-hearted" crostic, Department of Chemistry, University of Waterloo, Waterloo ON N2L 3G1, Canada.

Start by answering as many clues as possible. (Even if you can answer only a quarter of the clues, your chances of completing the crostic are very good.) Semi-colons in some clues are used to separate alternative clues for the same answer. Next, transfer these letters to the correspondingly numbered squares in the grid. This begins the spelling out of the quotation, reading from

left to right, with black squares separating the words. (Words may spill over to the next row; punctuation marks are not included.) As you proceed, words and phrases begin forming in the quotation; working back and forth between the grid and the clue words, you can complete the puzzle.

To aid you further, note that the first letters of the clue answers spell out the source of the quotation. Three letters are given, in answers A, Q and KK.

**Clues** (numbers in parentheses indicate number of words)

A These lights may be made from pumpkins

**J** 35 8 176 24 — —  
28 125 198 372 256 47 223 304

1	C	2	B	3	H	4	D	5	II	6	LL	7	W	8	A	9	KK	10	HH	11	G	12	JJ		13	B	14	U		15	LL	16	T	17	II		18	HH	19	L	20	E	21	Y		
22	LL	23	C	24	A	25	II		26	B	27	GG		28	A	29	F	30	G	31	C	32	HH		33	EE	34	II		35	A		36	R	37	B	38	II	39	KK	40	I				
41	H	42	D	43	B		44	E	45	JJ		46	G		47	A	48	FF	49	HH	50	Q	51	E	52	DD		53	C	54	P		55	EE	56	P	57	H	58	I	59	Z				
60	G	61	Y	62	L	63	F	64	HH		65	H	66	G	67	CC	68	X		69	H	70	HH		71	M	72	FF	73	H	74	N	75	D	76	JJ	77	W	78	HH		79	T			
80	O	81	F	82	Z	83	G	84	V		85	II	86	C	87	H	88	U	89	GG	90	O	91	FF	92	B	93	HH		94	BB	95	S	96	Z	97	J	98	W	99	HH		100	W		
101	H		102	I	103	W		104	AA	105	B	106	Y	107	M	108	W	109	J	110	I	111	R		112	L	113	O		114	CC	115	F	116	N	117	M	118	I	119	W	120	FF			
	121	E	122	O		123	O	124	I		125	A		126	F	127	O	128	F	129	G	130	W	131	D		132	K	133	N	134	O	135	D	136	W	137	FF		138	EE					
139	O	140	K	141	II	142	L		143	O	144	H	145	C	146	V		147	AA	148	K	149	Q	150	O	151	Z		152	R	153	M		154	P	155	O	156	G	157	M	158	Y			
159	K	160	BB		161	R	162	Z	163	S	164	O	165	H	166	T	167	AA		168	B	169	Q	170	M	171	LL		172	Q	173	DD	174	U	175	R	176	A	177	T	178	Q				
179	S	180	O	181	W	182	Q	183	X	184	BB	185	V	186	M	187	X		188	O	189	P	190	DD	191	X	192	U	193	J	194	Y	195	M	196	L		197	Z	198	A		199	J		
200	O	201	R		202	M	203	J	204	LL	205	Y		206	L	207	M		208	AA	209	II	210	X	211	R	212	J		213	LL	214	P	215	FF	216	O		217	T	218	Q				
219	HH	220	C	221	U	222	EE	223	A	224	E	225	R		226	DD	227	T	228	K	229	S	230	E	231	J	232	U		233	DD	234	X	235	D		236	P	237	H	238	T	239	Q		
240	J		241	H	242	T	243	O		244	H	245	G	246	Z	247	EE	248	F	249	Q	250	J	251	W	252	V	253	X		254	H	255	E	256	A	257	Y	258	BB	259	T				
260	Z	261	H	262	G	263	T		264	AA	265	V	266	F	267	BB		268	F	269	FF	270	FF	271	H		272	O	273	Q	274	BB	275	EE	276	G	277	I		278	EE					
279	G	280	F	281	U		282	LL	283	FF	284	EE	285	O	286	L		287	Y	288	D		289	O	290	FF	291	X	292	K		293	LL	294	W	295	AA	296	K	297	Z	298	X			
299	EE	300	BB	301	L		302	U	303	EE	304	A	305	O	306	FF		307	EE	308	F		309	J	310	HH	311	EE	312	FF	313	I	314	GG	315	II	316	II		317	FF	318	I			
319	Q		320	M	321	P	322	E	323	LL	324	FF	325	Z	326	H	327	HH	328	II	329	II		330	J	331	Z	332	HH	333	F	334	G		335	I	336	HH	337	HH	338	H				
339	II	340	EE	341	Y	342	E	343	H		344	II	345	II	346	H	347	W	348	C		349	Q	350	HH	351	II		352	II	353	GG	354	Q	355	O		356	Z	357	LL	358	V			
359	EE	360	G		361	II	362	C	363	B	364	D	365	II		366	B	367	V	368	LL	369	W	370	B	371	II	372	A	373	HH	374	LL	375	F		376	E	377	AA		378	O			
379	II	380	CC	381	T	382	S	383	C	384	N	385	J																																	

B With answers D, E, I and L, names that could appear in front of 'spectrum' 2 43 363 92 37 168 13 26 105 366 370

C As a darkroom should be 1 23 383 31 348 220 86 145 53 362

D See clue B 4 235 288 135 42 131 364 75

E See clue B (2) 44 255 224 230 20 322 121 376 51 342

F Close to zero (3) 266 280 115 248 268 63  
308 81 333 126 29 375 128

G Board game, with a different geometry! (2) 66 262 245 46 30 83 279 60 156  
11 129 276 334 360

H These make up all the branches of answer LL (2) 254 165 271 73 241 144 101 3 69 346 343 338 237 41 57  
65 87 261 244 326

I See clue B  
So, top brain (anag) 102 335 277 110 40 313 118 58 124 318

J Child's toy; 5T + 4E + 2R + O (anag) 193 231 309 212 330 97 250 203 199 385 240 109

K Donkey brays 148 132 159 292 140 228 296

L See clue B  
MI noises (anag) 142 19 62 286 301 112 206 196

M With ans P. This can be used for chemical structure determinations 320 71 202 207 170 157 107 153 117 195 186

N Small distance; move cautiously 74 133 116 384

O Who will judge the cheddar and brie at a large competition? (They will!) (4) 122 80 134 285 155 90 127 143 123 355  
150 200 180 216 378 243  
113 164 272 139 305 188 289

P See clue M (2) 214 54 56 154 189 321 236

Q RF **R** 249 319 149 218  
349 239 169 172 50 182 354 273 178

R Snacks 36 161 111 175 211 152 201 225

S Habituate or harden 382 95 163 179 229

T Essential compound in photosynthesis 217 16 177 227 263 238 79 242 259 381 166

U Colour arches 232 192 174 88 302 221 281 14

V H<sub>3</sub>O<sup>+</sup>, is the simplest example to which this name applies 252 367 265 84 185 358 146

W Diffuse effect during a thunderstorm in the distance (2) 7 347 119 130 100  
181 251 98 294 108 77 369 103 136

X Party of convicts linked together for outside work (2) 291 298 183 191 68 187 234 253 210

Y Instruments for measuring O<sub>2</sub> saturation in blood 287 158 194 205 106 61 341 257 21

Z One dealing with changes brought about in chemicals by light 297 151 260 59 325 246 356 96 331 197 162 82

AA Colour of the skin of people with jaundice 377 104 208 264 295 147 167

BB Begin a quarrel or fight; intrude 274 258 267 300 94 160 184

CC Born as - - - (no accent!) 380 67 114

DD Kind of oven or treat 190 173 52 233 226

EE The Northern Lights 278 222 359 299 311 284  
33 307 340 55 303 275 247 138

FF Instrument used in some eye surgery (2) 72 48 312 306 137 215 269 290 270  
283 317 120 91 324

GG Even supposing that (2) 353 89 314 27

HH The 'candela' is the SI unit of this (2) 336 310 219 373 10 350 337 49  
327 64 32 18 70 93 332 78 99

II What "YAG" stands for in some lasers (3) 34 38 85 365 345 315 329  
361 344 379 352 209 5 328 316  
339 371 351 25 17 141

JJ Observe; the office of a bishop 45 12 76

KK Institute of Electrical Engineers **I** 9 39

LL Copy Process "T" (anag); important analytical technique **■** 22 323 6 282 15 204 357 213 368 374 293 171

## New CIC chemistry teacher award

This relatively new Chemical Institute of Canada (CIC) award is to recognize excellence in teaching chemistry and to encourage and promote chemistry at the high school and Cégep level in Canada. The award is a one-year high school teacher membership to the CIC, a plaque and \$1,000 educational grant to use towards chemical supplies, equipment, books or other material to enhance the teacher's classroom. Last year's winner will be announced shortly. This year's deadline is October 15. The sponsor of the award is Beaumier Churcott Foundation. Find information at [www.cheminst.ca/awards](http://www.cheminst.ca/awards).