

# Cryptic: Hidden Meanings



## **The World of Languages** and Languages of the World

Let's get scientific and explore Superman and Krypton.

# Objectives

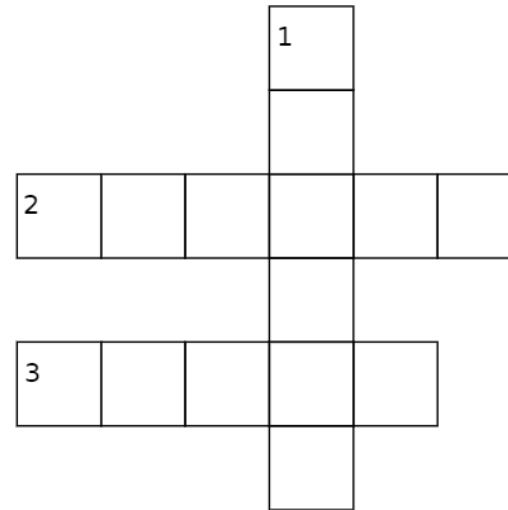
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- We can see that words have hidden meanings.
- We can see that lots of scientific words have everyday meanings.
- We can have fun making our own words from existing scientific words.



# Let's go!

## Can you solve the mini-crossword?



Down:

1. Part of a word that has its own meaning that is added to the end of a root word.

Across:

2. Part of a word that has its own meaning that is added to the front of a root word.
3. Parts of words that are added to root words to change meaning



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# Kryptonite

**Why is my bike lock called Kryptonite?**

**What is Kryptonite?**

**What could it mean?**

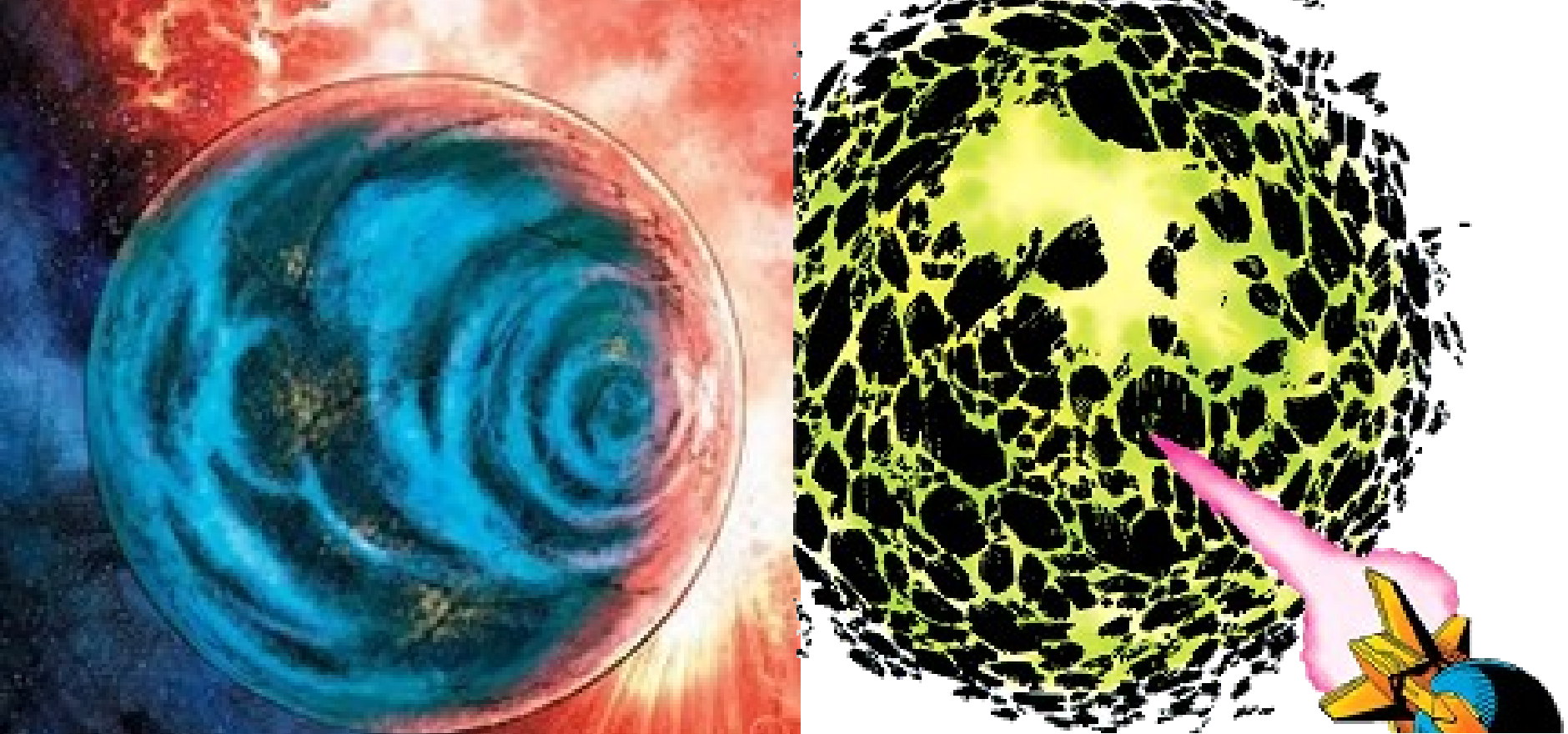
**What does the word imply?**

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# What do you know about Kryptonite and Superman?

---





# What about Superman and Krypton?

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**Kryptonite.**

**Why do we spell it  
with a 'k' and a 'y'  
rather than  
*cripton*?**



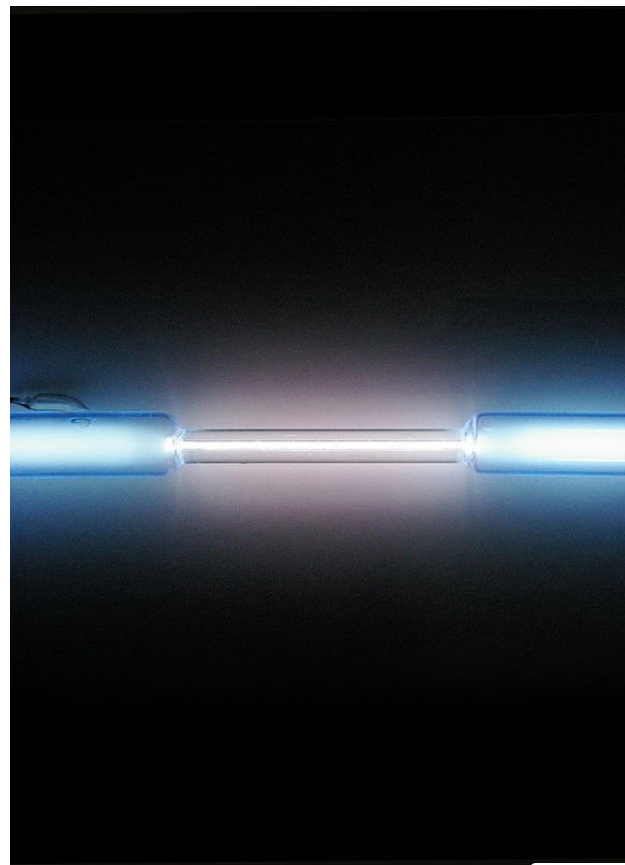
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# κρυπτω

1. What language do you think this title word is in? (We have seen it before!)
2. What do you think the English translation would be?
3. What could the word mean?
4. What exactly is krypton (hint – science)?
5. Where does Superman come from?
6. What is Superman's weakness?



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# κρυπτω

- The title word is in Greek.
- It says “Krypto”.
- *Krypto* means “I hide”.
- Krypton is a gas.
- Superman comes from the planet Krypton.
- We spell it with a “k” and a “y” because it comes from the Greek spelling.



How many  
words can  
you think  
of that use  
the word  
“krypto”?



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So, if *Krypto* means “I hide” why is a crypt called a crypt?

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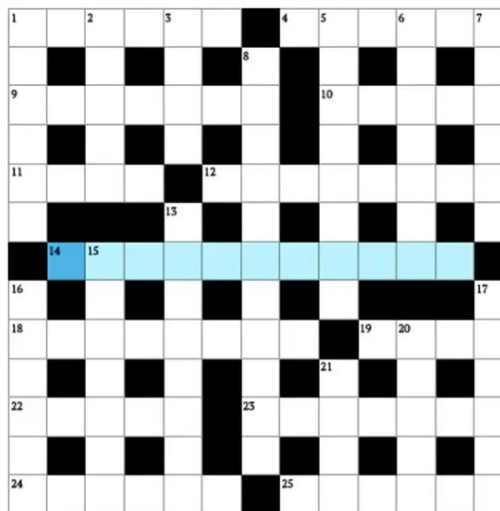
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# Why is a cryptic crossword cryptic?

14 ACROSS | Mr Li's science experiment (not new) making shapes (11)



Cryptic crossword #30 by Wingding  
Powered by [PuzzleMe™](#)

## ACROSS

- 11 Surgical procedure out of proportion in public (4)
- 12 Urinate audibly with vigour, showing sign of illness (8)
- 14 Mr Li's science experiment (not new) making shapes (11)
- 18 8 may be kept here, in messy bed with Craig (8)
- 19 A fish that bacteria might grow on (4)
- 22 Harass graduate with accepted theory (5)

## DOWN

- 1 German goes into outskirts of Copenhagen for fabric (6)
- 2 Natural leader sure to be irritated in 5 8's job (5)
- 3 Note carried by politician could be enlightening (4)
- 5 God informally enclosed by wall in European city (8)
- 6 Learned to make EU editor unwell with hypoxia (7)



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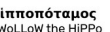
# What is a cryptocurrency?



## Cryptogram

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1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

[illegible]

# What is an encrypted message?

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●●○○ AT&T LTE

3:10 PM

📶 37% 🔋

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## Secret Conversations



Your messages are already secure, but secret conversations are encrypted from one device to another.

You can choose to make these messages disappear, and you can still report conversations even for a short time after the messages have disappeared.

OK

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# Krypton is a noble gas



## The noble gases

Helium

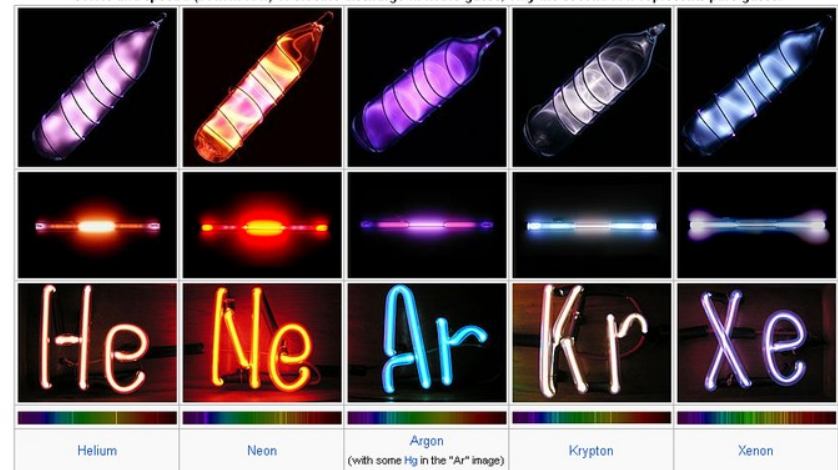
Neon

Argon

Krypton Xenon

Radon

Colors and spectra (bottom row) of electric discharge in noble gases; only the second row represents pure gases.





# Noble Gases

- Helium - from Helios, the sun
- Neon - new
- Argon - lazy
- Krypton - hidden
- Xenon - strange

These gases don't react. They were all found very late in the 19th century. They were all given Greek names.



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# Over to you...

We have seen how *Krytpo* has been used to create many words in English.

Now make up your own words using the noble gases.

Can you create three new words for each?

Are there any words that are already in use?

Helium - from Helios, the sun

Neon - new

Argon - lazy

Krypton - hidden

Xenon - strange



# WoLLoW wants to know...

What links these words?

What does that link mean?

- Krypton
  - Kryptonite
  - Crypt
  - Cryptic
  - Cryptocurrency
  - Encrypted message
- 
- Who's **hiding** behind the star?

