

Fantastic New Compounds

A previously unknown class of compounds has been made by a new principle of chemical synthesis. One newly discovered compound, which contains the elements indium (In) and potassium (K), can be used in ballpoint pens. Remarkably, its formula is InK! The formulas of the other compounds were not revealed, but can be derived from their chemical composition. Can you write the formulas?

- a) A pen to hold the ink can be made of a compound containing one part bismuth and one part carbon. **BIC**
 - b) A compound with equal parts tin, oxygen, and boron does not mix with other substances. **SNOB**
 - c) One part phosphorus and nine parts potassium make up this compound that was recently isolated from dog urine.
 - d) A very absorbent material of equal parts sulfur, phosphorus, oxygen, nitrogen, and germanium has multiple uses.
 - e) A mineral of the three elements aluminum, sulfur, and phosphorus is found in a major mountain range.
 - f) The compound containing lithium, phosphorus, and sulfur forms a structure that enables you to smooch.
 - g) This chemical, sometimes found in rabbits' feet, contains one part lutetium, one part carbon, and one part potassium.
 - h) A compound that's helpful when you're studying for a test contains one part chromium and one part americium.
 - i) Bromine, iodine, carbon, and potassium are found in this material that is used to build houses.
 - j) This compound, which was banned by the church, contains one part nitrogen and one part silicon.
 - k) Discovered in automobiles, this compound contains one part sulfur and one part gallium.
 - l) A substance one part boron, one part oxygen, and one part astatine floats on water.
 - m) This compound—one part aluminum, one part molybdenum, and one part neodymium—makes a very nutty substance.
 - n) A compound of one part potassium, one part nickel, and one part iron penetrates many other substances.
 - o) Tungsten, rhenium, nitrogen, carbon, and hydrogen in equal parts can form a useful tool.
 - p) Equal parts of carbon, oxygen, calcium, cobalt, and lanthanum will make a tasty beverage.
 - q) A substance that's one part cobalt, one part radon, and one part yttrium is similar to many of these examples.
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| a) BIC | f) LIPS | k) GAS | p) COCA |
| b) SNOB | g) LUCK | l) BOAT | COLA |
| c) K ₉ P | h) CRAM | m) ALMOND | q) CORNY |
| d) SPONGE | i) BRICK | n) KNIFE | |
| e) ALPS | j) SIN | o) WRENCH | |