Organic: define Organic compounds

1. Which of the following is NOT an organic substance?

a) HCN b) CH­4

c)C6H12O6 d)CH­3COOH

1. Use the table given below. Which of the following compound(s) is/are considered to be organic compounds ?

|  |  |
| --- | --- |
| Number | Compound |
| 1 | CH3OH |
| 2 | CaC2 |
| 3 | C2H5COOH |
| 4 | MgCO3 |
| 5 | HCN |

1. 1, 3 and 5 b) 2 and 4
2. c) 5 only d) 1 and 3
3. Which of the following is an organic substance?
4. H2COb) Ba(C6H5COO)2
5. HOCN d) CH3Br
6. Which statement about organic compounds is **FALSE**?
7. Organic compounds include all compounds of carbon.
8. Organic compounds include those compounds derived from living organisms
9. Organic compounds include numerous synthetic substances.
10. Presently between three and four million organic compounds are known.

1. Organic substances include those derived from living organisms as well as from synthetic substances. An example of a substance which is NOT an organic substance is \_\_\_\_\_\_\_\_\_\_\_\_\_
2. foodstuffs (fats, proteins, carbohydrates)
3. grease and lubricating oils
4. soap and detergents
5. carbonated beverages (pop)

6. Identify the organic substance in the list below.

a) HCOOH

b) HCN

c) NO2

d) SO3

7. Which of the following is **NOT** an organic compound?

a) C2H5OH(l)

b) CCl4(g)

c) CO(g)

d) HOOCCOOH(aq)

Solutions:

1. a
2. d
3. d
4. a
5. d
6. a
7. c