

## Organic: Define Organic Compounds

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

- |    |                                               |    |                      |
|----|-----------------------------------------------|----|----------------------|
| a) | HCN                                           | b) | CH <sub>4</sub>      |
| c) | C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> | d) | CH <sub>3</sub> COOH |

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

| Number | Compound                           |
|--------|------------------------------------|
| 1      | CH <sub>3</sub> OH                 |
| 2      | CaC <sub>2</sub>                   |
| 3      | C <sub>2</sub> H <sub>5</sub> COOH |
| 4      | MgCO <sub>3</sub>                  |
| 5      | HCN                                |

- |               |            |
|---------------|------------|
| a) 1, 3 and 5 | b) 2 and 4 |
| b) c) 5 only  | d) 1 and 3 |

3. Which of the following is an organic substance?

- |                      |                                                       |
|----------------------|-------------------------------------------------------|
| a) H <sub>2</sub> CO | b) Ba(C <sub>6</sub> H <sub>5</sub> COO) <sub>2</sub> |
| c) HOCN              | d) CH <sub>3</sub> Br                                 |

4. Which statement about organic compounds is **FALSE**?

- a) Organic compounds include all compounds of carbon.
- b) Organic compounds include those compounds derived from living organisms
- c) Organic compounds include numerous synthetic substances.
- d) Presently between three and four million organic compounds are known.

5. 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 \_\_\_\_\_

- a) foodstuffs (fats, proteins, carbohydrates)
- b) grease and lubricating oils
- c) soap and detergents
- d) carbonated beverages (pop)

6. Identify the organic substance in the list below.

- a) HCOOH
- b) HCN
- c) NO<sub>2</sub>
- d) SO<sub>3</sub>

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

- a) C<sub>2</sub>H<sub>5</sub>OH<sub>(l)</sub>
- b) CCl<sub>4(g)</sub>
- c) CO<sub>(g)</sub>
- d) HOOC<sub>2</sub>COOH<sub>(a)</sub>

**Solutions:**

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