

Use with textbook pages 244–248.

## Recognizing organic and inorganic compounds

Classify each of the following compounds as organic or inorganic by examining their formulas.

- |   |  |
|---|--|
| 1. CO _____                               | 16. CH <sub>3</sub> OH _____   |
| 2. CH <sub>4</sub> _____                  | 17. NaHCO <sub>3</sub> _____   |
| 3. HCl _____                              | 18. C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> _____                    |
| 4. NH <sub>3</sub> _____                  | 19. Na <sub>2</sub> CO <sub>3</sub> _____                                  |
| 5. CO <sub>2</sub> _____                  | 20. K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> _____                    |
| 6. CrS _____                              | 21. Ca(OH) <sub>2</sub> _____  |
| 7. C <sub>2</sub> H <sub>4</sub> _____    | 22. Co(NO <sub>3</sub> ) <sub>2</sub> _____                                |
| 8. C <sub>4</sub> H <sub>10</sub> _____   | 23. C <sub>19</sub> H <sub>28</sub> O <sub>2</sub> _____                   |
| 9. C <sub>6</sub> H <sub>14</sub> _____   | 24. NH <sub>4</sub> OH _____   |
| 10. C <sub>8</sub> H <sub>18</sub> _____  | 25. CH <sub>3</sub> OCH <sub>3</sub> _____                                 |
| 11. Cu <sub>2</sub> O _____               | 26. C <sub>18</sub> H <sub>21</sub> NO <sub>3</sub> _____                  |
| 12. Cr <sub>2</sub> O <sub>3</sub> _____  | 27. CH <sub>3</sub> COOH _____   |
| 13. CHCl <sub>3</sub> _____               | 28. CH <sub>3</sub> NHCH <sub>3</sub> _____                                |
| 14. CaCO <sub>3</sub> _____               | 29. CH <sub>3</sub> CH <sub>2</sub> OH _____                               |
| 15. C <sub>2</sub> H <sub>6</sub> O _____ | 30. CH <sub>3</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>3</sub> _____ |

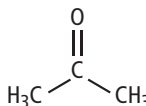
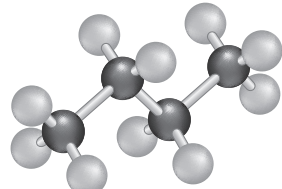
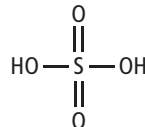
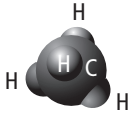
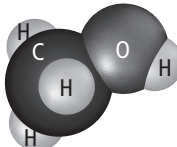
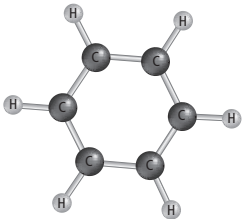
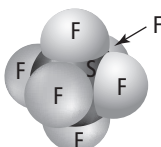
Name \_\_\_\_\_

Date \_\_\_\_\_

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## Organic compounds versus inorganic compounds

Classify each of the following compounds as organic or inorganic by examining the structural formula, ball-and-stick model, or space-filling model.

	Structural formula, ball-and-stick model, or space-filling model	Type of compound (Organic or Inorganic)
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.	