What are the names for the symbols of the chemical elements and compounds in the table below? Complete the 'name' column and connect each substance to the notes which refer to it.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Symbol** | **Name** | **Notes** |
| 1. | Na |  | (a) acid found in the gastric juices which helps the maceration of food |
| 2. | Ca |  | (b) acid which forms cyanide |
| 3. | Pb |  | (c) main alkaloid substance found in tobacco |
| 4. | Ti |  | (d) used as a contrast when taking X-ray photographs of soft tissue |
| 5. | Ba |  | (e)the basic substanc**e** in salt |
| 6. | Zn |  | (f) metallic element which is the basis of a radioactive isotope used to treat cancer |
| 7. | Fe |  | (g) colourless gas with a sweet smell, used in combination with other gases as an anaesthetic in dentistry and surgery |
| 8. | Co |  | (h) colourless gas which is present in air and essential to human life |
| 9. | Cl |  | (i) one of the common non-metallic elements which is an essential component of living matter and organic chemical compounds |
| 10. | He |  | (j) an essential part of the red pigment in red blood cells, found in liver and eggs |
| 11. | S |  | (k) gas which combines with oxygen to form, water |
| 12. | Au |  | (l) heavy soft metallic element which is poisonous in compounds |
| 13. | O |  | (m) very light gas used in combination with oxygen, especially to relieve asthma or sickness caused by decompression |
| 14. | H |  | (n) light metallic element which does not corrode |
| 15. | HCI |  | (o) gas which is the main component of air and an essential part of protein |
| 16. | N |  | (p) metallic element which is the major component of bones and teeth |
| 17. | HCN |  | (q) powerful greenish gas used to sterilize water |
| 18. | C |  | (r) soft yellow-coloured poisonous metal used as a compound in various drugs and sometimes as a filling for teeth |
| 19. | N₂O |  | (s) white metallic trace element |
| 20. | C₁₀H₁₄N₂ |  | (t) yellow non-metallic element found in some amino acids |

**Chemistry**

Based on the **Dictionary of Medicine,** third edition

ISBN 1-901659-45-3

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