

## ATOMS AND ELEMENTS - TEST

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1. What is a compound? \_\_\_\_\_  
\_\_\_\_\_
2. Which state can it be in? \_\_\_\_\_
3. Which atom is the lightest? \_\_\_\_\_
4. Which three parts do atoms consist of? \_\_\_\_\_  
\_\_\_\_\_
5. What are electrons? \_\_\_\_\_  
\_\_\_\_\_
6. A proton has a \_\_\_\_\_ charge, an electron has a \_\_\_\_\_ charge.
7. How do electrons move around the nucleus? \_\_\_\_\_  
\_\_\_\_\_
8. What does the atomic number of an element tell you? \_\_\_\_\_  
\_\_\_\_\_
9. What is the atomic mass? \_\_\_\_\_
10. What is the periodic table? \_\_\_\_\_  
\_\_\_\_\_
11. If an atom has more neutrons than protons it is called an \_\_\_\_\_
12. What happens when an atom crashes with another atom? \_\_\_\_\_  
\_\_\_\_\_
13. How do scientists create radioactivity? \_\_\_\_\_  
\_\_\_\_\_
14. What happens when the nucleus of an atom splits? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
15. When and where was the first atomic bomb dropped? \_\_\_\_\_  
\_\_\_\_\_
16. What kind of fuel is used to power rockets? \_\_\_\_\_  
\_\_\_\_\_
17. Name a few interesting compounds. \_\_\_\_\_
18. Which element do organic compounds always have? \_\_\_\_\_
19. What kind of structure does a hydrogen atom have? \_\_\_\_\_  
\_\_\_\_\_
20. What substance do you get when you combine two hydrogen atoms with one oxygen atom? \_\_\_\_\_

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21. At which temperature does liquid hydrogen freeze? \_\_\_\_\_
22. Where can hydrogen be found? \_\_\_\_\_  
\_\_\_\_\_
23. What are hydrocarbons? Name a few. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
24. What are noble gases? \_\_\_\_\_  
\_\_\_\_\_
25. Why is helium used in balloons? \_\_\_\_\_  
\_\_\_\_\_
26. How is helium used in medicine? \_\_\_\_\_  
\_\_\_\_\_
27. Most of the Earth's atmosphere is made up of \_\_\_\_\_
28. How does the industry get pure iron? \_\_\_\_\_  
\_\_\_\_\_
29. Where is iron found in our bodies? \_\_\_\_\_  
\_\_\_\_\_
30. How do farmers use nitrogen? \_\_\_\_\_  
\_\_\_\_\_
31. Which element do all living creatures have in them? \_\_\_\_\_
32. Where is carbon found in its purest form? \_\_\_\_\_
33. What is graphite and where can you find it? \_\_\_\_\_  
\_\_\_\_\_
34. Chlorine and sodium together form \_\_\_\_\_
35. Why is chlorine used in swimming pools? \_\_\_\_\_  
\_\_\_\_\_
36. What is an alloy? \_\_\_\_\_  
\_\_\_\_\_
37. From which raw material do we get aluminium? \_\_\_\_\_
38. Why is aluminium often used instead of steel? \_\_\_\_\_  
\_\_\_\_\_
39. Why has gold become such a valuable material? \_\_\_\_\_  
\_\_\_\_\_
40. Where and when did gold rushes happen? \_\_\_\_\_  
\_\_\_\_\_