

# WHO AM I?

These mystery elements are waiting to be identified. The trick is—you'll need the Periodic Table to unmask their identities. Unless you have it memorized, you'll need a copy of the table from your science book or from page 52 of this book. Read the clues about each mystery element, figure out what it is, and then write the name and symbol of the element.

**REMEMBER:**  
*The Atomic number equals the number of protons. Atomic mass equals the number of protons plus neutrons. The number of electrons equals the number of protons.*

1. Nonmetal halogen family atomic mass 35

2. 25 electrons transition element

3. gas 48 neutrons

4. period 2 atomic mass 11

5. nonmetallic period 3 atomic mass 32

6. 26 protons period 4 transition element

7. 12 neutrons metallic 11 electrons

8. 29 electrons period 4

9. atomic mass 20 gas

10. period 5 transition element 51 neutrons

11. 80 electrons transition element

12. period 4 lowest mass in period

13. metallic period 4 20 electrons

14. period 6 gas 86 protons

15. 4 neutrons metallic

16. period 4 metallic 27 electrons

17. metallic period 6 56 protons

18. gas atomic mass 16 8 neutrons

19. mass less than 30 not neon noble gas

20. period 5 metallic 38 electrons

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|-----------|-----------|
| 1. _____  | 11. _____ |
| 2. _____  | 12. _____ |
| 3. _____  | 13. _____ |
| 4. _____  | 14. _____ |
| 5. _____  | 15. _____ |
| 6. _____  | 16. _____ |
| 7. _____  | 17. _____ |
| 8. _____  | 18. _____ |
| 9. _____  | 19. _____ |
| 10. _____ | 20. _____ |

Name \_\_\_\_\_