**Unit 2: Periodicity Test Review**

*Place the element symbol for each question on the lines below*

1. Noble gas with atomic number 18.
2. Period 4, group 16.
3. Transition metal with atomic mass of 58.69
4. Nonmetal with 6 protons.

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1. 2. 3. 4.

1. Metalloid with 33 electrons.
2. Transition metal with an atomic number of 73.
3. Transition metal in period 4 and group 4.
4. Noble gas with an atomic mass of 20.18.

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5. 6. 7. 8.

1. Metal in period 6, group 15
2. Transition metal in the lanthanide series with 62 protons
3. Transition metal in the actinide series with 92 electrons
4. Transition metal in the actinide series named after the Norse god of thunder

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9. 10. 11. 12.

1. Nonmetal with atomic mass of 12.01
2. Noble gas in period 3.
3. Metalloid in period 2
4. Nonmetal in period 2, group 16
5. Nonmetal with 1 less proton than the element answered in question #16.

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13. 14. 15. 16. 17.

1. Transition metal with an atomic number of 27.
2. Nonmetal with 5 valence electrons and in period 3.
3. Nonmetal with a valence electron configuration of 3s23p3
4. Transition metal in the lanthanide series with 3 more protons than terbium.

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18. 19. 20. 21.

1. Transition metal in group 9 and period 6.
2. Nonmetal with 2 fewer protons than neon.
3. Nonmetal with an atomic mass of 14.01

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22. 23. 24.

1. Noble gas in period 4.
2. First transition metal in period 5.
3. Transition metal with 4 more protons than tungsten.
4. First nonmetal in group 16.
5. First nonmetal in group 15.

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25. 26. 27. 28. 29.

1. 5th element in period 3.
2. Element #1
3. Transition metal with 76 protons.
4. 2nd element in group 15.
5. Element with the lightest atomic mass.
6. Nonmetal with 8 electrons.
7. Transition metal with an atomic mass of 101.07
8. Nonmetal with a valence electron configuration of 3s23p4

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30. 31. 32. 33. 34. 35. 36. 37.