## CHNWTBAM HOUSEWTVES (answer) <br> by Kenny Youns

This is a game of Scrabble played with the Periodic table used as tiles, as in Ca N Ni B AI Ho U Se W IV Es. Each element scores its atomic number, and double/triple/bingo rules are as usual. No element is used twice. This is the completed grid before the last play:

|  |  |  |  |  | $\begin{gathered} \text { Am } \\ 95 \end{gathered}$ |  |  |  |  |  | Ga 31 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $\begin{aligned} & \mathrm{Pu} \\ & 94 \end{aligned}$ |  |  |  |  | Cu 29 | $\begin{aligned} & \text { Rb } \\ & 37 \end{aligned}$ |  |  |  |
|  |  | F | $\begin{aligned} & \mathrm{Lu} \\ & 71 \end{aligned}$ |  | $\begin{aligned} & \mathrm{Ta} \\ & 73 \end{aligned}$ |  |  |  |  | Bi 83 |  |  |  |  |
|  |  | $\begin{aligned} & \text { La } \\ & 57 \end{aligned}$ |  | $\begin{aligned} & \text { In } \\ & 49 \end{aligned}$ | $\begin{aligned} & \mathrm{Te} \\ & 52 \end{aligned}$ | $\begin{gathered} \mathbf{R g} \\ 111 \end{gathered}$ | $\begin{aligned} & \text { AI } \\ & 13 \end{aligned}$ | $\begin{aligned} & \text { Ac } \\ & 89 \end{aligned}$ | $\begin{aligned} & \mathrm{Ti} \\ & 22 \end{aligned}$ | $\begin{aligned} & \text { C } \\ & 6 \end{aligned}$ |  |  |  |  |
|  |  | $\begin{gathered} \mathbf{K} \\ 19 \end{gathered}$ | $\begin{aligned} & \mathbf{N i} \\ & 28 \end{aligned}$ | $\begin{aligned} & \mathrm{Fe} \\ & 26 \end{aligned}$ |  |  | Co |  |  |  |  |  |  |  |
|  | $\begin{aligned} & \mathrm{Fr} \\ & 87 \end{aligned}$ | $\begin{gathered} \mathbf{Y} \\ 39 \end{gathered}$ |  | $\begin{aligned} & \text { Rn } \\ & 86 \end{aligned}$ |  | $\begin{aligned} & w \\ & 74 \end{aligned}$ | $\begin{aligned} & \text { Ho } \\ & 67 \end{aligned}$ |  |  | Sn 50 |  |  |  |  |
|  | $\begin{aligned} & \mathrm{Au} \\ & 79 \end{aligned}$ |  | Sc | $\begin{aligned} & 0 \\ & 8 \end{aligned}$ | $\begin{aligned} & \mathbf{R e} \\ & 75 \end{aligned}$ |  | Li 3 |  | Cr 24 | Ag 47 |  |  |  |  |
| $\begin{aligned} & \mathrm{Ca} \\ & 20 \end{aligned}$ | $\begin{gathered} \text { Ds } \\ 110 \end{gathered}$ |  | $\begin{aligned} & \text { Ra } \\ & 88 \end{aligned}$ |  | $\begin{aligned} & \mathrm{Cl} \\ & 17 \end{aligned}$ | $\begin{aligned} & \text { As } \\ & 33 \end{aligned}$ | $\mathrm{Sm}$ | At 85 | Es 99 |  |  |  |  |  |
| B |  |  | $\begin{aligned} & \text { Tc } \\ & 43 \end{aligned}$ |  | $\begin{gathered} \mathrm{U} \\ 92 \end{gathered}$ |  |  |  | $\mathrm{Ce}$ |  |  |  |  |  |
| $\begin{aligned} & \text { Ba } \\ & 56 \end{aligned}$ |  |  | $\mathrm{He}$ | $\begin{aligned} & \mathrm{Ar} \\ & 18 \end{aligned}$ | $\begin{aligned} & \mathrm{Se} \\ & 34 \end{aligned}$ |  |  | $\begin{aligned} & \text { Po } \\ & 84 \end{aligned}$ | $\begin{aligned} & \mathrm{Nd} \\ & 60 \end{aligned}$ |  |  |  |  |  |
| $\begin{aligned} & \mathrm{Ge} \\ & \hline 20 \end{aligned}$ | $\begin{gathered} \mathrm{Ne} \\ 10 \end{gathered}$ | $\begin{aligned} & \mathbf{S i} \\ & 14 \end{aligned}$ | $\begin{gathered} \mathbf{s} \\ 16 \end{gathered}$ |  |  |  |  | $\begin{gathered} \mathbf{P} \\ 15 \end{gathered}$ | $\begin{aligned} & \text { Os } \\ & 76 \end{aligned}$ | H 1 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

The last play needs to use the remaining tiles and score a triple-triple in order to amass enough points to win. That word is ThErMoDyNAmICs, scoring 4928 points on the top row.

