

Answer Key for Checking for Understanding: Using the Periodic Table

1. How many protons does each of the following elements have?

Be 4 Si 14 N 7 Zn 30 Cu 29 Au 79 Fe 26 He 2

2. What is the chemical symbol for each of the following?

Lithium Li Fluorine F Sodium Na Mercury Hg Lead Pb

3. What is the name of each of the following?

Ni Nickel K Potassium Co Cobalt
S Sulfur Po Polonium Sn Tin

4. How many electrons does each of the following have?

Pb 82 Cr 24 Hg 80 Al 13 Na 11 P 15

5. What is the rounded atomic weight (mass number) of each of the following?

Ar 40 Rn 222 C 12 Br 80 Ag 108 N 14 He 4

6. How many neutrons does each of the following elements have?

P 16 Rb 47 U 147 Cl 18 Bi 126 Pt 117

7. To which family does each of the elements belong?

K 1 C 4 S 6 Sr 2 Se 6 Ne 8 Ga 3

8. In which period is each of the elements located?

H 1 Si 3 As 4 Kr 4 Ne 2 Be 2

9. Which of these would most likely combine in a chemical reaction?

a) Mg + O b) Na + K c) S + Ne d) O + Ne