Name _____

Elements

Read each element, characteristic, or description. Decide which category that description <u>best</u> fits into and write its number in the appropriate section of the box below.

1. Shiny
2. Poor thermal and electrical conductors
3. Ductile
4. Brittle
5. Could be shiny or dull
6. Iron
7. Good thermal and electrical conductors
8. Could be malleable or unmalleable
9. Oxygen
10. Sometimes called semiconductors

Metals	Nonmetals	Metalloids

Use the words from the box below to complete the following paragraph about the periodic table.

nucleus	protons	mass	atomic number
below	location	neutrons	element

Each square on the periodic table includes lots of information about an _____ (11).
The one-letter or two-letter abbreviation tells the element's name. The number above the abbreviation is the _____ (12). This number is the number of _____ (13) in each atom of the element. The number _____ (14) the chemical abbreviation is the atomic _____ (15) number. This number is the number of protons plus the number of _____ (16) in the _____ (17) of the atom. The _____ (18) of the element on the table tells what type of element it is based on its properties.

Look at the information in the box below, then fill in the blanks.

19. Element: _____
20. Symbol: _____
21. Atomic Number: _____
22. Atomic Mass: _____
23. Number of Protons: _____
24. Number of Neutrons: _____