

## Answers to problems in page 86.

### Homework

GENERAL

**Additional Practice** To master the concepts of atomic number and mass number, have students fill in a table for three atoms a, b, and c. Students should create a table with the headings Atomic symbol, Atomic number, Mass number, Number of protons, Number of neutrons, and Number of electrons. Students should enter the data given below and provide the remaining data.

Atom a: number of protons = 5,  
mass number = 11

Atom b: symbol = O,  
mass number = 16

Atom c: atomic number = 7,  
number of neutrons = 8

 **Intrapersonal**

### **Answers to Practice Problems A**

- 11 protons and 11 electrons
- 27
- 80
- The atomic number of this element is 54. The mass number of the atoms that have 77 neutrons is 131, while the mass number of the other atoms is 133.