ANSWERS

45

Section 4.2 Interest Grabber

The "Rutherford" Atom

In Section 4.1 you were told that if the Houston Astrodome were a model for an atom, then a marble could represent its nucleus.

- 1. Think of another physical analogy for a "Rutherford" atom other than the astrodome.
- 2. Identify what represents the atom and what represents the nucleus in your analogy.
- 3. How good a match is your analogy for an actual atom? In what ways is it misleading?