

Answers to selected questions

Chapter 1

- Q6.** No. Nuclear power does not involve the burning of fossil fuels and does not release carbon dioxide to the atmosphere.
- Q12** One hypothesis is that your telephone number has been inexplicably given to someone else (this has actually happened). A test would be to try to call your own number. In this cell phone era, this is often doable in the same room. Of course, if this was the case, it is possible that your friend's call was picked up at the other phone. This test may also confirm that your phone does not even work at all! Check your ringer, the loudness setting, and if it is plugged in. This scenario is rich with possibilities!
- Q18** No. The expression would be written: $I = F \cdot t$.
- Q24** Not exactly. The length of a pace depends upon the person doing the pacing. Your measurement is likely to be off by several feet.