1. Arrange the ions K+, Cl–, Ca2+, and S2– in order of decreasing size.
2. Referring to the periodic table, arrange the atoms Ne, Na, P, Ar, K in order of increasing first ionization energy.
3. Write a balanced equation for the reaction of cesium metal with **(a)** Cl2(*g*), **(b)** H2O(*l*), **(c)** H2(*g*).