

# Warm Up

Identify the following statements as *True* or *False*.

1. The stability of an isotope nucleus depends on the neutron-to-proton ratio.
2. Both fusion and fission reactions produce energy.
3. Elements with an atomic number over 84 are radioactive.
4. Elements with the same atomic number but different mass numbers are called isotopes.
5. The isotopes Lithium-6, Lithium-7, and Lithium-8 all have the same atomic number.

