Suppose you could add or subtract protons from oxygen nuclei. To turn oxygen into a gas that would glow red when an electric current flows through it, would you add or subtract protons? How many?
Next-Time Question

Suppose you could add or subtract protons from oxygen nuclei. To turn oxygen into a gas that would glow red when an electric current flows through it, would you add or subtract protons? How many?

Answer: add protons; 2
Add two protons to each nucleus of oxygen and you increase the atomic number from 8 to 10. You then have neon, which will glow a very nice red when a current flows through it.