

Pg. 398 #1-5

1. Electrons are outside the nucleus of an atom. (Students should understand that electrons inhabit orbits around the outside of the nucleus.)
2. The word "static" means stationary or not flowing. Students might also mention that static charge is electric charge that has accumulated at a location.
3. Electrons are transferred when two objects made out of different materials are rubbed together.
4. An atom's tendency to hold onto (or retain) electrons is called "electron affinity."
5. (a) Human hair is more likely to give up electrons than wood.
(b) Steel is more likely to give up electrons than plastic wrap.
(c) Silk is more likely to give up electrons than cotton.