Chapter 8

**MOVEMENT AND ACTION**

Assignment 1

This set of questions works well as a group homework assignment, but may also be assigned in class or on a class forum. Included are sample instructions to provide to students. Ask them to email their suggested answers ahead of time to make sure they are on the right track.

Email me your suggested answers by Tuesday, and identify your top three choices. I will assign one of these for you to present in class. First come, first served. Be prepared to present on Friday, January 23.

* Explain how film works to create the illusion of motion.
* What does the motion aftereffect tell us about staying still?
* The spiral illusion (see ISLE 8.10 (a)) works on your face after viewing a spiral. Why?
* Is it possible to see wheels rotating backwards in the real world?
* Explain the Phi phenomenon and give one real-world example.
* Think of a real-world example of the difference in motion sensitivity and acuity in the periphery. Or find a demonstration on YouTube or another source of one or more of these phenomena (but the video cannot be so named, i.e. it cannot have been created merely to illustrate this concept).

Assignment 2

Create a video at least 3 seconds in duration that uses stop motion to illustrate apparent motion. Stop motion is where you take a photograph of a still scene and then adjust something in the scene and then take another photograph. When played in sequence, it looks like the objects move. There are many examples on YouTube, just search for “stop motion.”