

An Exploration of the Eye



Our plans for exploring the eye

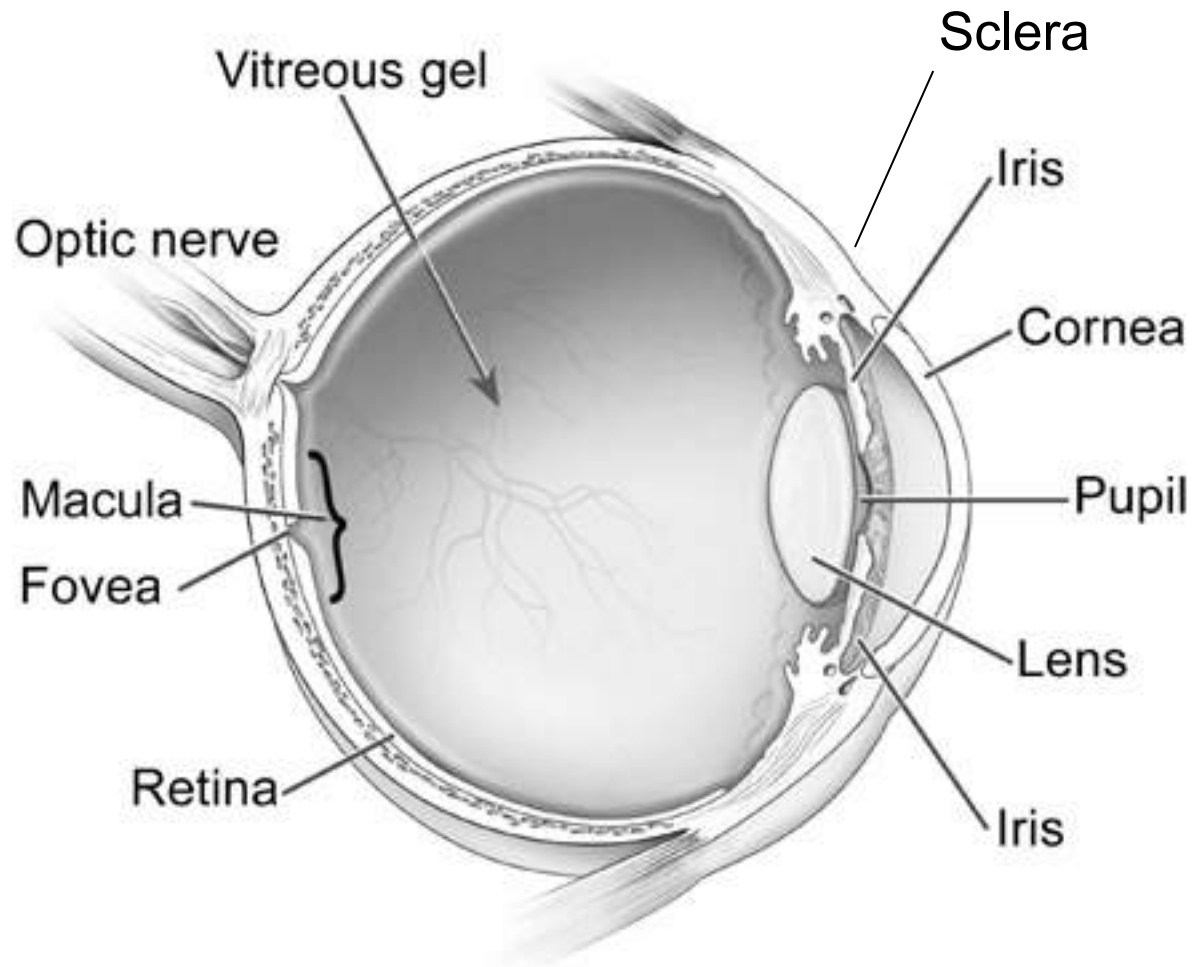
Week 1 – discuss the eye, game

Week 2 – discuss eye diseases, activity model eye, game

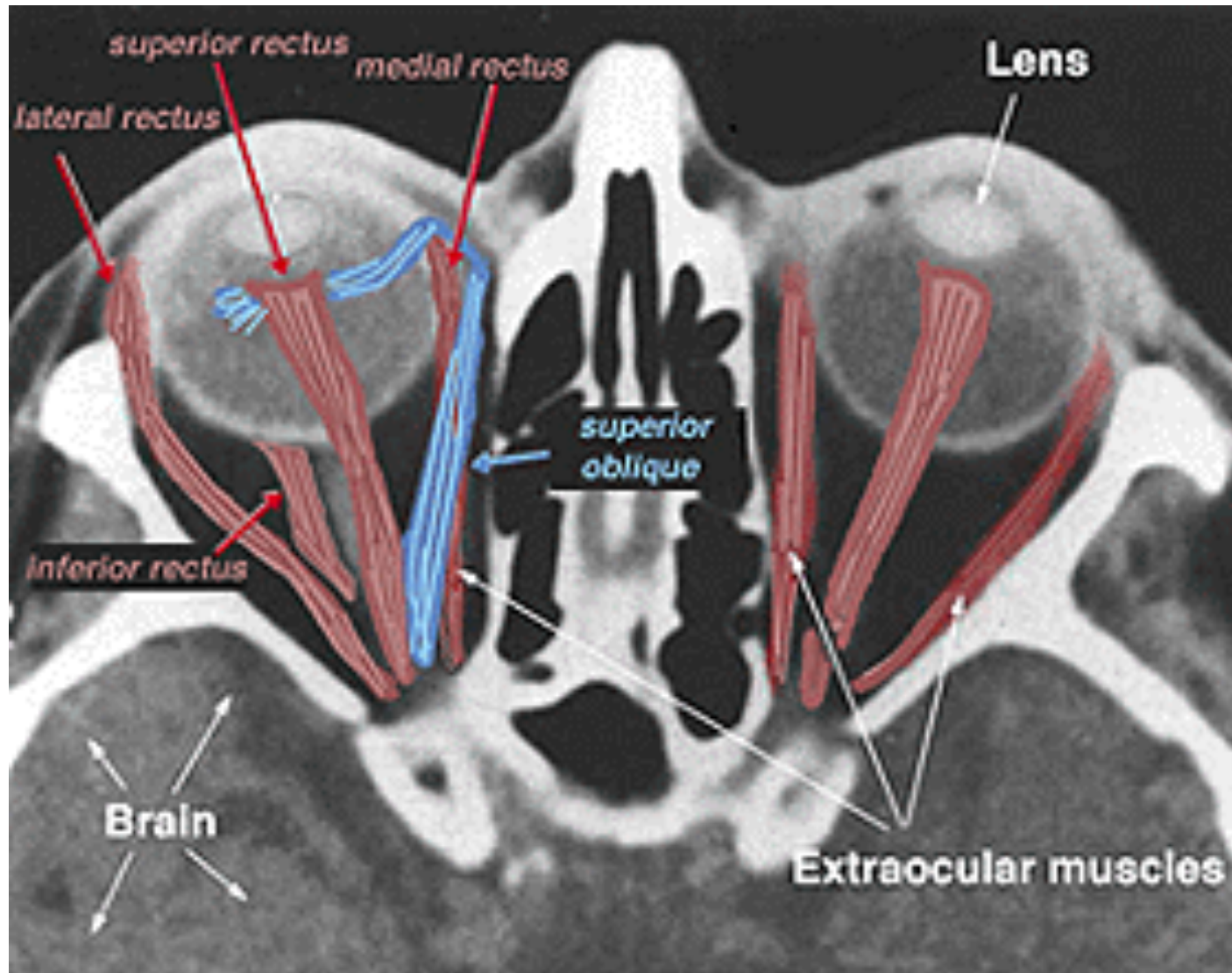
Week 3 – eye dissection

Week 4 – compare results, game or activity

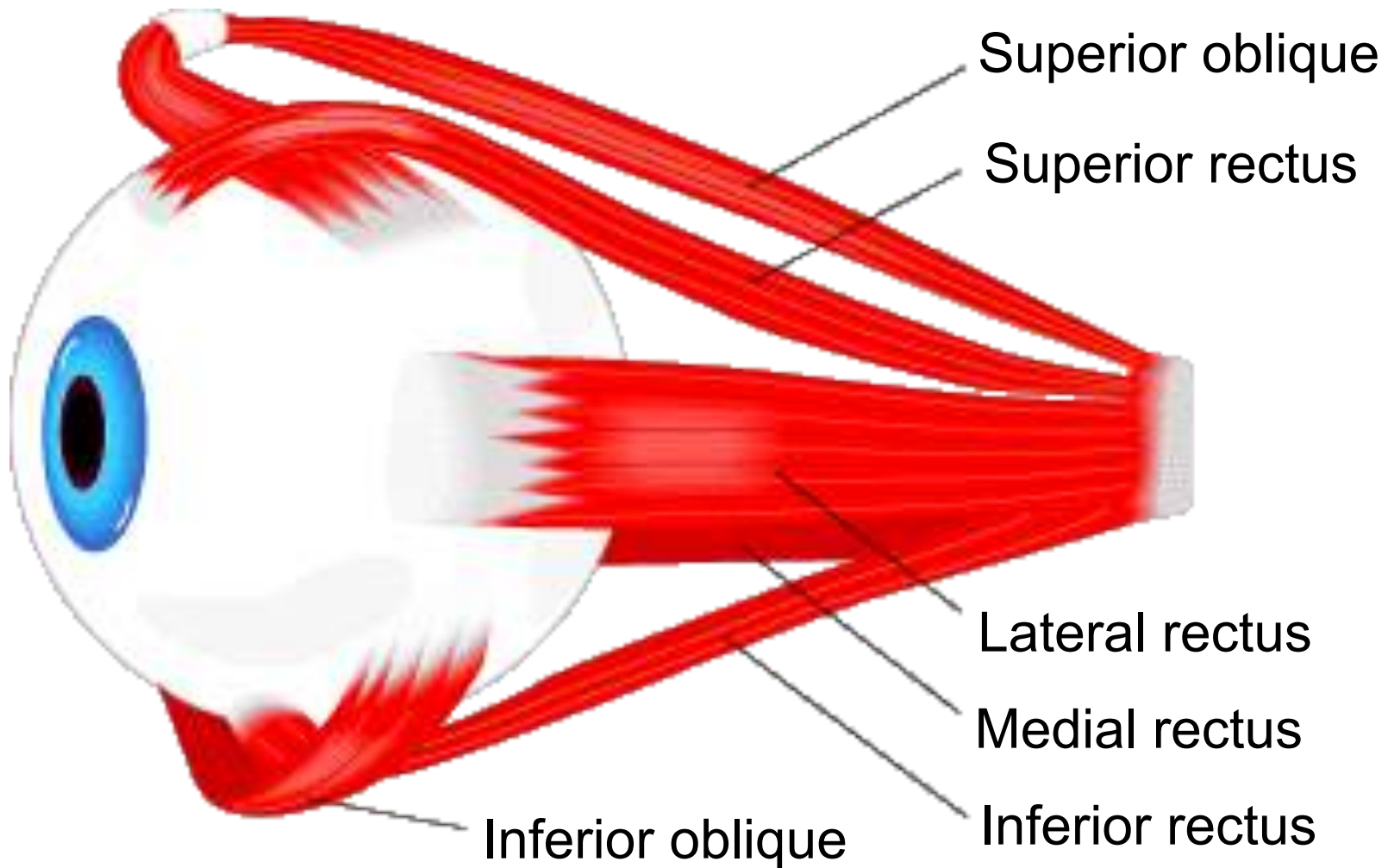
Quick Review: Anatomy of the Eye



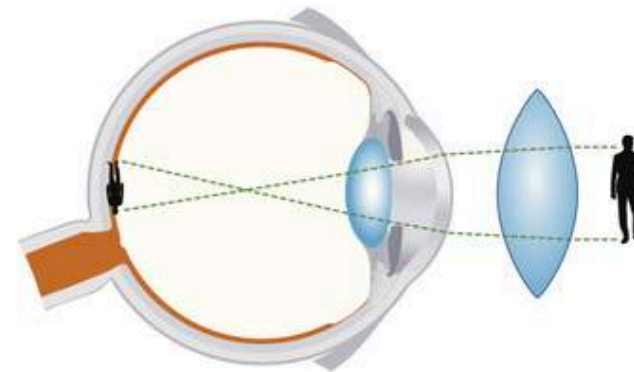
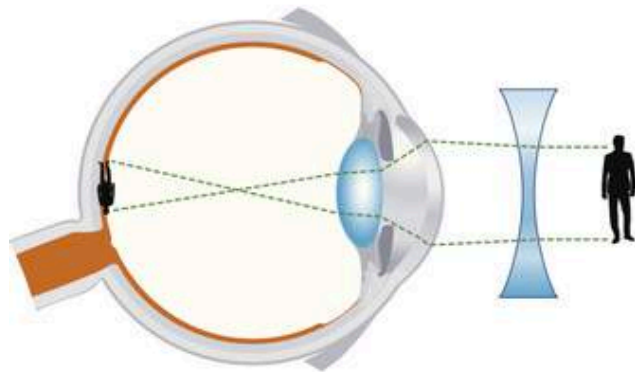
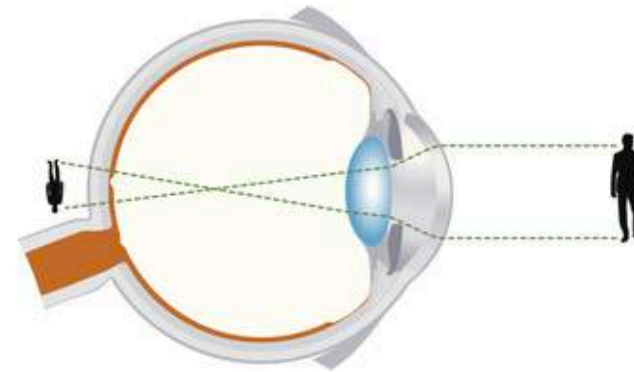
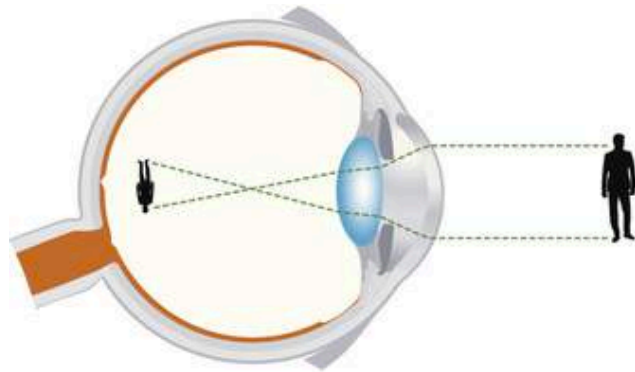
Position of the Eyes Within the Skull



Muscles to Move the Eyeball



Common Vision Problems



Nearsighted (Myopia)

Farsighted (Hyperopia)

Let's take a look: http://www.mediaweetool.com/tablet/optos_vs/refractiveerrors/

Common Vision Problems

Healthy



Nearsighted

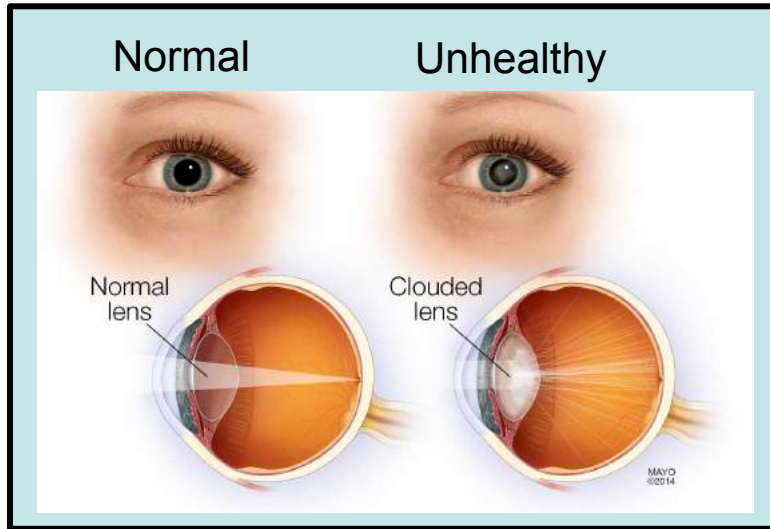


Farsighted

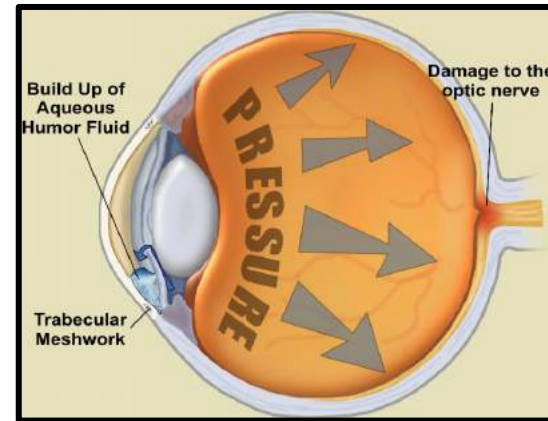


Eye Diseases

Cataracts

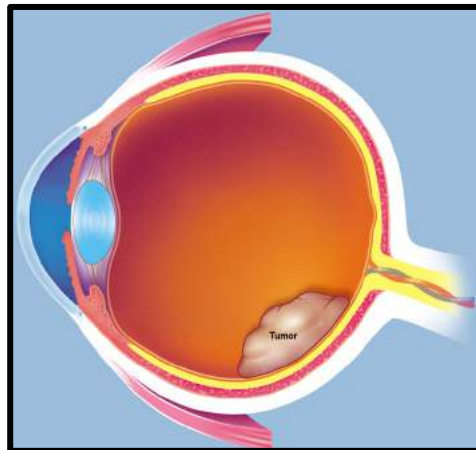


Glaucoma



Fluid doesn't drain and pressure damages the optic nerve

Retinoblastoma



A tumor (**cancer**) forms on the retina

Macular Degeneration

