

Review Quiz

- 1 Which of these eye colors is produced by the *most* amount of pigment in the iris?
- 2 The optic nerve is known also as what cranial nerve?
- 3 What is a triangular patch of blood-vessel-engorged tissue on the conjunctiva which can encroach onto the cornea and adversely affect vision?
- 4 An inherited disease which gradually devastates the rods of the retina, thereby reducing night vision and ultimately resulting in "tunnel" vision, is known as what?
- 5 "Floaters" (also known as "muscae volitantes"), which sometimes interfere with vision, can be caused by a what?
- 6 What test can detect early stages of macular degeneration, a hereditary ocular disease which is the leading cause of irreversible blindness among Americans 65 and older?
- 7 Which of the following conditions can cause a temporary decrease in vision for several days or weeks, as well as pain in the eye when the eye is moved?
- 8 A palsy of which extraocular muscle most likely will result in an *esotropia* (turning inward) of the affected eye?
- 9 What is the primary (most powerful) focusing structure of the eye?
- 10 Which type of photoreceptor is most sensitive to bright light and color?
- 11 The vitreous humor, which occupies about 80% of the eye's interior, is composed mostly of what?
- 12 A "cataract" is an opacification of which eye structure?
- 13 Which eye structure determines a person's eye color?
- 14 In which eye disorder does too much intraocular pressure damage optic nerve fibers?
- 15 Which eye structure is comparable to the film of a camera because it senses light focused on it?
- 16 "Pink eye" is an inflammation of which eye tissue?
- 17 Which cranial nerve innervates four of the six extraocular muscles (medial rectus, superior rectus, inferior rectus, and inferior oblique)?

- 18 What is the point of sharpest, most acute visual acuity within the eye?
- 19 Between the iris and the crystalline lens is located what?
- 20 The seventh layer of the retina, containing the axons of bipolar cells and amacrine cells and the dendrites of ganglion cells, is known by what name?
- 21 What is the ring-like tendon, located in the nasal orbit, through which the superior oblique passes?
- 22 As an increasing amount of light enters the eye, the pupil does what?
- 23 What severely blinding disorder results from a loss of the arterial blood supply to the optic nerve of one eye?
- 24 What ocular tissue provides protection for the eye and serves as an attachment for the extraocular muscles which move the eye?

The cornea is composed of 5 layers, from the front to the back:

- 1.
- 2.
- 3.
- 4.
- 5.

The tear film resting on the corneal surface has three layers:

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Besides excessive tearing, symptoms associated with dry eyes can include the following:

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A given extraocular muscle moves an eye in a specific manner, as follows:

- **medial rectus (MR)**—
- **lateral rectus (LR)**—
- **superior rectus (SR)**—
- **inferior rectus (IR)**—
- **superior oblique (SO)**—
- **inferior oblique (IO)**—
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Define:

Blepharitis

Cataract

Conjunctivitis

Glaucoma

Iritis