

Cow's Eye Dissection

[http://www.exploratorium.edu/learning\\_studio/cow\\_eye/index.html](http://www.exploratorium.edu/learning_studio/cow_eye/index.html)

1. How is the cornea from a preserved eye different from the cornea from an eye from a living cow?

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2. How many muscles does a cow eye have? \_\_\_\_ A human eye? \_\_\_\_\_

3. What fluid oozes out when you cut through the cornea? \_\_\_\_\_

4. What happens to the pupil in dim light? \_\_\_\_\_

5. What gives the eye its round shape? \_\_\_\_\_

6. What would you see if you looked through the lens of a cow's eye?

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7. Describe the shape of the lens. \_\_\_\_\_

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8. Would you say the lens is converging or diverging? \_\_\_\_\_

9. Describe what the retina looks like. \_\_\_\_\_

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10. What's the blind spot? \_\_\_\_\_

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11. Why can't you see anything that lands on the blind spot? \_\_\_\_\_

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12. What nerve leaves the eye at the blind spot? \_\_\_\_\_

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13. Why are you able to see the world? \_\_\_\_\_

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14. Why do the eyes of cats glow in the dark when you shine a light at them? \_\_\_\_\_

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