

COW EYE DISSECTION

"*SAFETY FIRST: I WILL BE USING A SCALPEL AND RAZOR. I WILL LOOK CAREFULLY AT WHAT I AM DOING AND WILL NOT CUT NEAR MY OR ANYONE ELSE'S FINGERS. I WILL STOP TALKING AS SOON AS MS. SAMUELS RAISERS HER HAND. NO SECOND CHANCES!

WOOHOO!"

*EVERYONE MUST REMAIN IN
THEIR SEATS!*

STEP 1:

**IDENTIFY THE SCLERA AND
CORNEA.**

***THE CORNEA MIGHT
BE CLOUDY, IT WAS CLEAR WHEN THE
COW WAS ALIVE.***

STEP 2:

**WITH SCISSORS, SLOWLY
CUT AWAY THE FAT AND
MUSCLE.**

**DO NOT CUT THROUGH
THE CORNEA.**

STEP 3:

**SLOWLY USE THE SCALPEL
TO MAKE A SMALL CUT IN
THE CORNEA.**

**A LIQUID CALLED THE
_____ WILL COME
OUT. IT IS MADE OF MOSTLY
WATER.**

STEP 4:

**USE THE SCALPEL TO MAKE
AN INCISION IN THE
SCLERA.**

(MIDDLE OF EYE)

STEP 5:

**USE YOUR SCISSORS TO CUT
AROUND THE EYE. YOU'LL
HAVE TWO HALVES.**

STEP 6:

**THE CORNEA WILL BE ON
THE TOP HALF. REMOVE
THE CLEAR CORNEA WITH
YOUR FINGERS.**

STEP 7:

**PLACE THE CORNEA ON
YOUR TRAY. PRESS ON THE
CORNEA AND HEAR IT'S
MULTIPLE LAYERS OF THICK
TISSUE CRUNCH.**

***WHY WOULD COWS HAVE A
SUPER THICK CORNEA?***

STEP 8:

PULL OFF THE IRIS. IT SHOULD COME OFF IN ONE PIECE.

THE HOLE IN THE MIDDLE IS THE PUPIL.

THE _____ CONTROLS THE SIZE OF THE _____.

STEP 9:

LOOK AT THE BACK HALF

OF THE EYE. THE EYE IS

FILLED

WITH A CLEAR JELLY

CALLED

THE _____.

STEP 10:

NOW, REMOVE THE LENS. IT IS A CLEAR LUMP, ABOUT THE SIZE OF A MARBLE.

STEP 11:
PUT THE LENS DOWN
AND LOOK AT A LETTER IN
THE NEWSPAPER.

WHAT DO YOU OBSERVE?

STEP 12:

FIND A THIN FLESHY FILM IN THE BACK OF THE EYE, THAT IS THE **RETINA. FIND WHERE THE **RETINA** ATTACHES TO THE EYE,**

IT WOULD CONNECT TO THE _____ WHICH SENDS LIGHT SIGNALS TO THE BRAIN.