

Lights, Camera, Media Literacy!

How Electronic Television Works

- 1) CRT stands for _____.
- 2) Another term for a positive battery terminal is _____.
- 3) Another term for a negative battery terminal is _____.
- 4) In a CRT, the heated filament is the _____.
- 5) The cathode is in a glass _____.
- 6) Having no air (a vacuum) in the tube, the ray (or stream of _____) pour off the cathode and fly through the tube at high-speed until hitting the flat _____ at the other end.
- 7) The screen is coated with _____ and glows when the _____ hits it.
- 8) A phosphor is a material that emits a visible _____ when exposed to a beam of electrons.
- 9) Black and white screens have one phosphor that glows _____.
- 10) Color screens have three phosphors that emit _____, _____, and _____ light and three beams to illuminate the colors together.
- 11) Inside the TV set, the tube is wrapped in steering coils, so that the beams don't all go to the _____ of the screen.
- 12) The beam quickly _____ the screen...back and forth, one row at a time... just as Farnsworth's plowing lines did in his family's potato field.