

# ANSWER KEY

## HOW MOVIES GOT THEIR START

### I. OPTICS + CHEMISTRY = PHOTOGRAPHY

#### NAME BANK

Johann Heinrich Shultze

Aristotle

Louis Jacques Daguerre

George Eastman

Joseph Nicéphore Niépce

1) A 2,000 year-old concept that was known by **ARISTOTLE** is demonstrated by the Camera Obscura, which literally (in Latin) means "dark room" and replicates how images appear on your eye's retina: *When light travels in a straight line and reflects off a bright object on its way into a small hole, an upside-down image of the object appears on a flat, parallel surface.*

2) In 1725, a German professor named **JOHANN HEINRICH SHULTZE** discovered that silver nitrate turned black when it was exposed to sunlight.

3) In 1827, the first surviving photograph was taken by **JOSEPH NICEPHORE NIEPCE**. He coated a pewter plate with bitumen and exposed it to light.

4) In 1839, his one-time partner named **LOUIS JACQUES DAGUERRE** formed a better process and produced "The Daguerreotype."

5) In 1888, the founder of the Kodak company **GEORGE EASTMAN** introduced a smaller camera that used film on a roll. As a result, photography became available to everyone.