

# Photography: The Art and Science

Photography · Practice Test · 8 Questions

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**1. What is the scientific term for the opening inside a camera lens that controls how much light enters?**

- A) Shutter Speed
- B) ISO
- C) Aperture
- D) Focus Ring

**2. Which early photographic process, invented in the 1830s, produced a unique, permanent image on a silver-plated copper sheet?**

- A) Daguerreotype
- B) Calotype
- C) Collodion Process
- D) Gelatin Dry Plate

**3. In photography, what is the 'f-number' (like f/2.8 or f/16) a measurement of?**

- A) The length of the lens
- B) The sensitivity of the sensor to light
- C) The size of the aperture opening
- D) The speed of the shutter

**4. What phenomenon describes how light bends when it passes from one medium (like air) to another (like glass)?**

- A) Reflection
- B) Refraction
- C) Diffraction
- D) Polarization

**5. The 'red-eye' effect in flash photography is caused by light reflecting off which part of the eye?**

- A) The iris
- B) The pupil
- C) The retina
- D) The cornea

**6. What does ISO represent in digital photography?**

- A) The speed at which the shutter opens and closes
- B) The size of the camera's sensor
- C) The sensitivity of the camera's sensor to light
- D) The degree of blur in the image

**7. Which scientist is credited with developing the first practical photographic process known as the Daguerreotype?**

- A) Nicéphore Niépce
- B) Louis Daguerre
- C) William Henry Fox Talbot
- D) George Eastman

**8. What is the term for the physical arrangement of lenses within a camera that focuses light onto the sensor or film?**

- A) Lens hood
- B) Filter
- C) Lens barrel
- D) Lens element