

Photography: The Art and Science

Photography · Answer Key · 8 Questions

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