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Pathfinder's Name

## Photography

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1. Explain the principles of camera construction

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What the camera lens does

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The effect of light on light-sensitive film

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The action of developers

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2. What is meant by the "speed" of the film

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What does ASA/ISO mean?

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3. How are shutter speed, lens aperture, and film speed related?

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4. Give the principal uses of photography.

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5. Take print or slide pictures illustrating at least eight of the following techniques. Use comparison pictures for illustration:

- a. Framing
- b. Camera steadiness
- c. Direction of lighting - front, backlighting, side
- d. Panning - background blurred with subject in focus
- e. Rule of thirds
- f. Angle - eye level, high and low angle
- g. Level horizon
- h. Distance from subject - fill the frame
- i. Use of leading lines
- j. Quality of light - shade, sunlight, and time of day
- k. Correct exposure - underexposed, overexposed, and correctly exposed
- l. Use of flash - distance and reflective objects

6. Do one of the following:

- a. Tell how black and white film is developed into negatives and print eight of your own pictures.
- b. Tell how slides are made and develop one roll of film.