

# PARFOCAL

*Meaning: Parfocal refers to the characteristic of an optical system, such as a microscope or lens, that allows different focal lengths to remain in focus when switching between them.*

1. The microscope was designed to be parfocal, allowing for easy switching between objectives without needing to refocus.
2. In photography, parfocal lenses maintain focus even when zooming in or out, making them ideal for capturing dynamic scenes.
3. The telescope's parfocal setup ensured that once an object was in focus with one eyepiece, it remained sharp with others of different magnifications.
4. During the lab demonstration, the instructor emphasized the benefits of using parfocal optics for efficient viewing of specimens.
5. For videographers, using a parfocal lens can significantly streamline the filming process by reducing the need for constant adjustments to focus.

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