

Concave and Convex Lens

Name: _____

Date: _____

No. _____

Part 1. Fill in the blanks. Choose your answer from the given words

Divergent	Physics	Geometrical	Matter	Straight
Optics	Convergent	Light	Electromagnetic	Instrument

_____ is the branch of _____ that studies the behaviour and properties of _____, including its interactions with _____ and the construction of _____ that use or detect it.

Classical optics is divided into two main branches: _____ (or ray) optics and physical (or wave) optics. In geometrical optics, light is considered to travel in _____ lines, while in physical optics, light is considered as an _____ wave.

Geometrical optics can be viewed as an approximation of physical optics that applies when the wavelength of the light used is much smaller than the size of the optical elements in the system being modelled.

The two main types of lenses are:

- Convex **Lens** (_____)
- Concave **Lens** (_____)

Part 2 Fill in the blanks. Choose your answer from the given words

Bi-concave	Plano-concave	Meniscus concave	Converging lens
Bi-Convex	Plano-convex	Meniscus convex	Diverging lens

Converging lenses						
Diverging lenses						

