

# Download File PDF Lenses Virtual Lab Using Phet Geometric Optics Answers

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so many fake sites. this is the first one which worked! Many thanks

Lenses Virtual Lab

Name: \_\_\_\_\_  
Date: \_\_\_\_\_

**Objectives:**

- To demonstrate the formation of images from convex and concave lenses.
- To identify the type of image formed by convex and concave lenses.
- To calculate the lens equation.

**Procedure:**

- Go to the following web address: <https://phet.colorado.edu/en/simulations/selection?sim=geometric-optics>
- Choose the Convex lens.
- Complete Data Table 1.
- Choose the Concave lens.
- Complete Data Table 2.
- Use the slider to change the focal length and record your new data into Table 3. (Do NOT do this with Concave lens).

**Data:**

**Table 1 - Convex Lens**

Position of Object	Distance of Object (cm)	focal length (cm)	Distance of Image (cm)	focal length (cm)	Distance of Image (cm)
∞					
2f					
f					
Between f and 0					
Type of image: real, virtual, inverted, upright					
Direction of image: inverted or upright?					

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