

Lens Ray Diagram Worksheet

Name: _____

The diagram consists of three separate ray diagram setups, each enclosed in a rounded rectangular frame. Each setup features a horizontal principal axis with a lens in the center. The focal points are marked with dots and labeled 'f', and the twice focal points are marked with dots and labeled '2f'.
1. The top setup shows a convex lens. A candle is placed on the left side of the lens, between the f and $2f$ marks.
2. The middle setup shows a convex lens. A candle is placed on the left side of the lens, between the f and $2f$ marks, closer to the lens than in the first setup.
3. The bottom setup shows a concave lens. A candle is placed on the left side of the lens, to the left of the $2f$ mark.