

PhyzJob: Ray Tracings Meta-analysis



Review your findings from Ray Tracings 1 through 4.

CONVERGING AND DIVERGING

1. What kind(s) of images can be produced by a converging optical system? Check all that apply. Cite at least one example from Ray Tracings 1-4 for each characteristic that you check.

___upright:_____ ___enlarged:_____ ___real:_____

___inverted:_____ ___reduced:_____ ___virtual:_____

2. What kind(s) of images can be produced by a diverging optical system? Check all that apply. Cite at least one example from Ray Tracings 1-4 for each characteristic that you check.

___upright:_____ ___enlarged:_____ ___real:_____

___inverted:_____ ___reduced:_____ ___virtual:_____

3. Which type of optical system is more versatile? ___Converging ___Diverging ___Neither

GENERALIZATIONS*

Complete each statement if it is possible to do so correctly. Do not use redundancies (e. g., ALL INVERTED IMAGES ARE UPSIDE DOWN, etc.). Limit the key words in your responses to the terms upright, inverted, enlarged, reduced, real, and virtual.

4. a. ALL UPRIGHT IMAGES ARE...

b. Cite example/s from Ray Tracings 1-4 to support your conclusion.

5. a. ALL ENLARGED IMAGES ARE...

b. Cite example/s from Ray Tracings 1-4 to support your conclusion.

6. a. ALL REAL IMAGES ARE...

b. Cite example/s from Ray Tracings 1-4 to support your conclusion.

*"No generalization is wholly true, not even this one." *Oliver Wendell Holmes*