

# Emergency Plans Day 4

## Additional Resources:

For additional assistance, you are encouraged to consult these additional resources.

- The Physics Classroom Website- <http://www.physicsclassroom.com/Class/>
- Hyperphysics Website- <http://hyperphysics.phy-astr.gsu.edu/hbase/hframe.html> (Some of the information looks confusing, but search around for the basic concepts of light, and you will see that they are easier to understand.)

**Objectives:** Students will be able to...

- Recall and apply the mirror equation to determine image/object position for concave mirrors
- Determine the magnification of an image produced by a concave mirror
- Construct a ray diagram for images formed by a concave mirror

## Assignment:

In your textbook, read pages 530-536. Take appropriate notes for use in an open notebook quiz upon return to school. On a separate piece of paper, answer this question- What are the rules for drawing reference (principal) rays for ray diagrams. Also, complete the problems on page 536. Make sure to draw a ray diagram for each problem (including #3 which does not ask for one).

# Emergency Plans Day 5

## Additional Resources:

For additional assistance, you are encouraged to consult these additional resources.

- The Physics Classroom Website- <http://www.physicsclassroom.com/Class/>
- Hyperphysics Website- <http://hyperphysics.phy-astr.gsu.edu/hbase/hframe.html> (Some of the information looks confusing, but search around for the basic concepts of light, and you will see that they are easier to understand.)

**Objectives:** Students will be able to...

- Recall and apply the mirror equation to determine image/object position for convex mirrors
- Determine the magnification of an image produced by a convex mirror
- Construct a ray diagram for images formed by a convex mirror

## Assignment:

In your textbook, read pages 537-540. Take appropriate notes for use in an open notebook quiz upon return to school. On a separate piece of paper, complete the problems on page 540. Make sure to draw a ray diagram for each problem (even if the problem does not ask for one).