

CONVEX (DIVERGING) MIRRORS

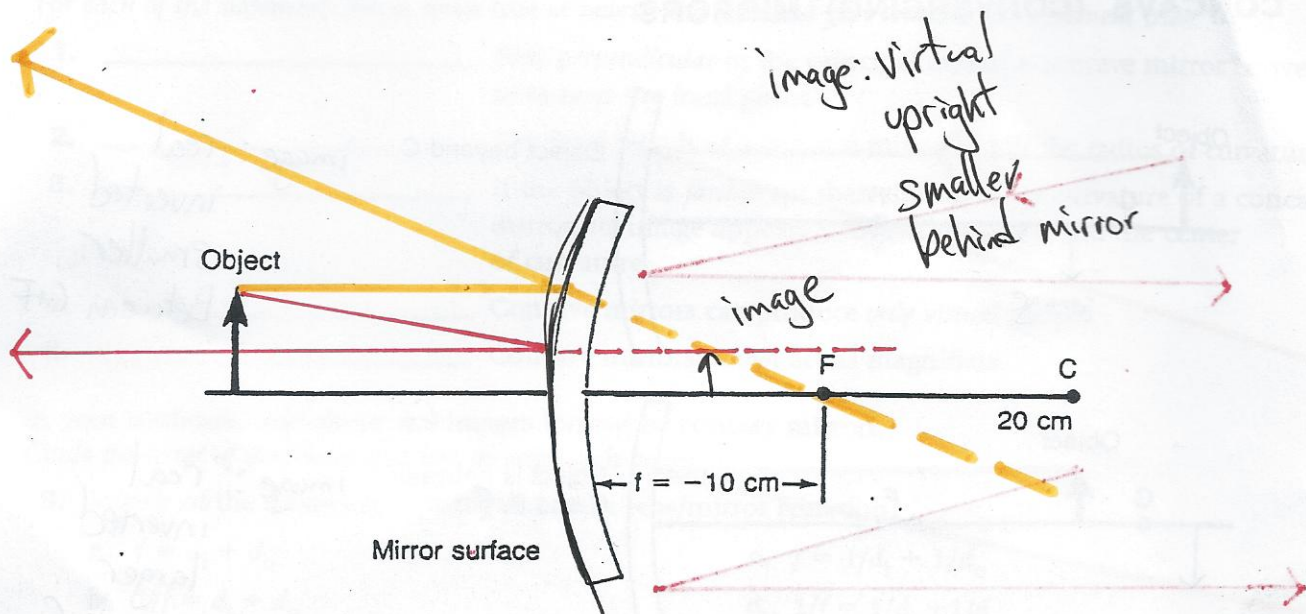


image: Virtual
upright
smaller
behind mirror

Convex spherical mirrors cause reflected light rays to diverge.

Images formed by diverging mirrors are always virtual, erect, and smaller than the object.

Diverging mirrors are used to show a large field of view.

In your textbook, read about convex mirrors.

For each of the statements below, write true or rewrite the italicized part to make the statement true.

26. _____ The focal length of a convex mirror is *negative*.
27. _____ Rays reflected from a convex mirror always *converge*.
28. _____ Convex mirrors reflect an *enlarged* field of view.
29. _____ The images produced by convex mirrors are *real* images.
30. _____ When the magnification is negative, an image will be *erect*.
31. _____ Compared to the size of the corresponding objects, the images produced by convex mirrors are always *the same size*.