

**Goal** • Complete this page to show your understanding of how lenses bend light.

### What to Do

Review pages 191–193 of *BC Science 8*. Then answer these questions and complete the diagrams.

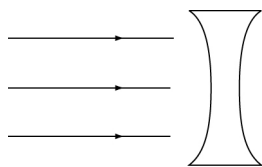
- Describe a concave lens. \_\_\_\_\_  
\_\_\_\_\_
- Light rays \_\_\_\_\_ when passing through a concave lens.
- Describe a convex lens. \_\_\_\_\_  
\_\_\_\_\_
- Light rays \_\_\_\_\_ when passing through a convex lens.
- Sometimes people use the phrase double convex or double concave to describe a lens. They are referring to the shape of each surface. To identify concave and convex lenses, it is the thickness of the glass in the middle compared to the thickness at the edges that counts. Classify the following lenses as convex or concave.



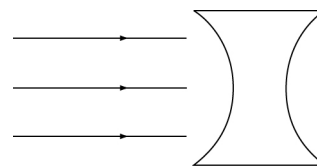
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- Draw the paths of the light through each of the following lenses.

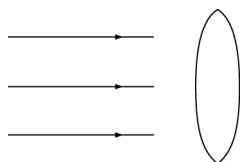
Concave lens with small curve



Concave lens with large curve



Convex lens with small curve



Convex lens with large curve

