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| 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.

1. Describe a concave lens. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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2. Light rays \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when passing through a concave lens.

3. Describe a convex lens. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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4. Light rays \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when passing through a convex lens.

5. 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.



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

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| Concave lens with small curveblm2-22b | Concave lens with large curveblm2-22c |
| Convex lens with small curveblm2-22d | Convex lens with large curveblm2-22e |