

➤ Main Ideas, Key Points, Questions:

After watching the video segment, write down key points, main ideas, and big questions.

➤ Objective(s):

- *To apply the Law of Reflection to concave and convex mirrors.*
- *To determine the characteristics of the images formed when objects are placed at different locations in front of concave and convex mirrors.*

➤ Notes:

During the video segment, use words, phrases, or drawings to take notes.

➤ Summary:

After watching the video segment, write at least three sentences explaining what you learned. You may ask yourself: "If I was going to explain this to someone else, what would I say?"

Answer the following.

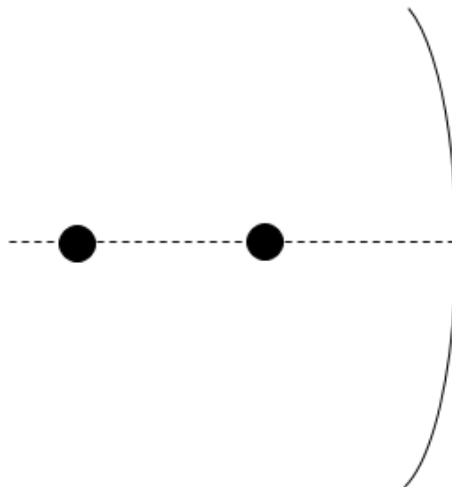
1. On the diagram below, label the side that is mirrored for a concave mirror:



2. On the diagram below, label the side that is mirrored for a convex mirror:



3. Label the principal axis, center of curvature, and focal point on the diagram below:



4. How does the distance from the mirror to the focal point compare to the distance to the center of curvature?

Answer the following.

5. Are real images always upright or inverted? Why is this?

6. The closer the object moves towards a concave mirror, the _____ the size the real image that is formed becomes.

7. When an object is placed at the focal point of a concave mirror, why is there no image formed?

8. What kind of image is formed when an object is placed between the focal point and the concave mirror?

9. Are virtual images always upright or inverted? Why?

10. The virtual images formed by convex mirrors are always _____ in size than the object.

11. Why are the side mirrors on cars convex?

12. What types of mirrors follow the law of reflection?
