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Unit 6L
Spherical Mirrors
Note-Taking Guide

Name:

Date:

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?"

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Questions to Consider

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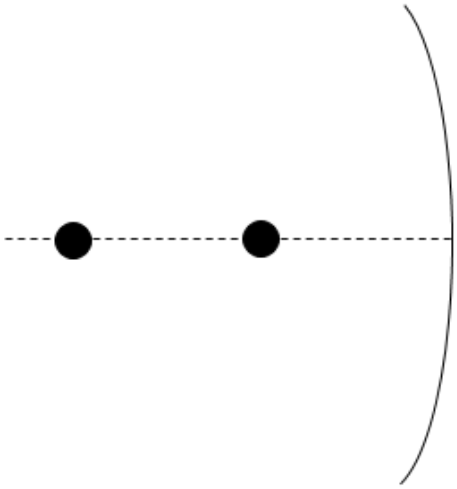
Answer the following.

1. In the diagram below, label the mirrored side of a concave mirror.

2. In the diagram below, label the mirrored side of 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 from the mirror to the center of curvature?

questions continued on next page

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Answer the following.

5. Are real images always upright or inverted? Explain.

6. As an object approaches a concave mirror, the size of its real image becomes _____ .

7. Why does no image form when an object is placed at the focal point of a concave mirror?

8. What type of image forms when an object is placed between a concave mirror and its focal point?

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

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

11. Why are the side mirrors on a car convex?

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