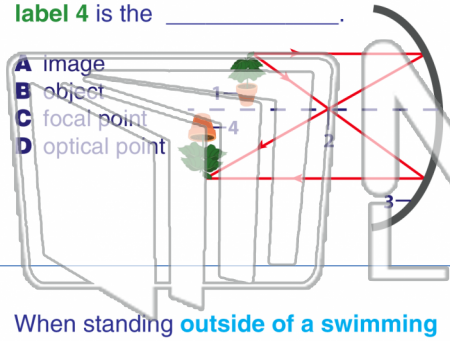
Light and Optics

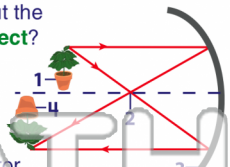
Name_____ Class_____ Date_____

1 In this diagram of a **concave mirror**, **label 4** is the _____.



A image
B object
C focal point
D optical point

2 Which statement about the diagram below is **correct**?



A 3 is a convex mirror, and 2 is the focal point
B 3 is a concave mirror, and **2** is the focal point
C 2 is the focal point, and 1 is the image
D 3 is a concave mirror, and 4 is the object

3 When standing **outside of a swimming pool**, a swimmer sees an object at the bottom of the pool. Why is the object

4 Which of the following will form a **diffuse reflection**?

5

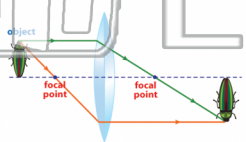
7 radio waves?

A they have lower frequencies but more energy
B they have higher frequencies and more energy
C they have more amplitude
D they are less penetrating

illustration show?

A a real image from a convex lens
B a virtual image from a convex lens
C a real image from a concave lens
D a virtual image from a concave lens

9 What does this illustration show?



A a real image from a convex lens
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D a virtual image from a concave lens

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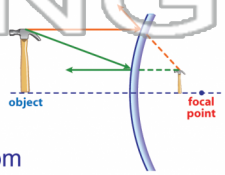

A a real image from a convex mirror
B a virtual image from a convex mirror
C a virtual image from a concave mirror
D a real image from a plane mirror

Light and Optics

Phys Sci

Name_____ Class_____ Date_____

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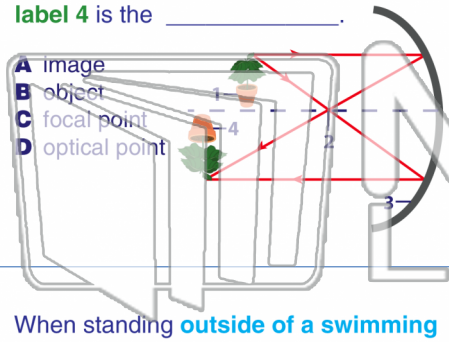

A image
B object
C focal point
D optical point

A

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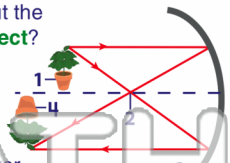

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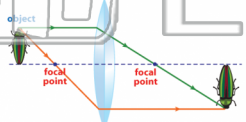

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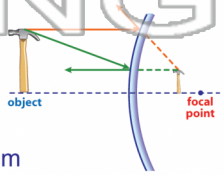

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