LENSES REVIEW ASSESSMENT

SECTION 1-LENSES TYPES

FILL IN THE BLANK

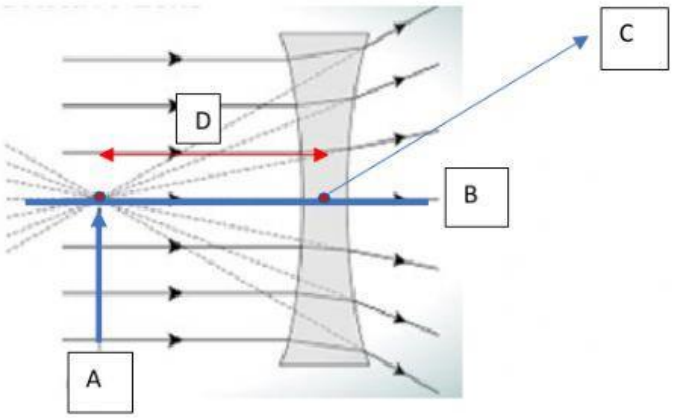
Lenses are _____ materials that have a curved edge. Two types of lenses exist. These are

convex and concave lenses. A convex lens is also called a _____ lens whereas, a concave lens can be

called a _____ lens.

SECTION 2: LENS TERMS

Choose from the drop down list the letter that matches the lens terminology with its location in the diagram below



Optical center	
Focal point	
Focal length	
Principal axis	

SECTION 3: IMAGE FORMATION IN LENSES

MULTIPLE CHOICE: TYPE THE CORRECT LETTER IN THE BOXES BELOW

2) Convex lens always gives a real image if the object is situated beyond _____.

a. Focal point
b. Principal axis
c. Focal length
d. Focal plane

4) Where should an object be placed so that a real and inverted image of the **same size** is obtained, using a convex lens?

a. Between O and F
b. At F
c. At 2F
d. At infinity

LIVEWORKSHEETS

6) Real images formed by single convex lenses are always _____.

a. On the same side of the object
b. Smaller than the object
c. Inverted
d. erect

8) When a person uses a convex lens as a simple magnifying glass, the object must be placed at a distance

a. less than one focal length
b. more than one focal length
c. less than twice the focal length
d. more than twice the focal length

9) The image produced by a concave lens is _____.

a. always virtual and enlarged
b. always virtual and reduced in size
c. always real
d. sometimes real, sometimes virtual

TRUE & FALSE

1. A projector uses a convex lens. _____
2. A virtual image cannot be projected onto a screen. _____
3. A magnifying glass forms a real image. _____
4. In order for the image formed by a convex lens to be the same size as an object, the object needs to be placed at a distance of 2F. _____
5. The human eye has a convex lens. _____

LIVEWORKSHEETS