Physics 100 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

More Reflection and Refraction Practice

Lens and Mirror Phenomena (and a fish under water)

1. Draw a convex (bi-convex) lens and illustrate its focal point.

2. Draw a concave (bi-concave) lens.

3. In what situation can a **convex lens** cause an object to appear **larger and right-side up**? Draw a picture showing how this happens.

A picture containing lamp, archery, earphone, necklet

Description automatically generated

4. In what situation can a **convex lens** cause an object to appear **upside-down**? Draw a picture showing how this happens.

A picture containing lamp, archery, earphone, necklet

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5. What do objects look like when viewed through a **concave** **lens**? Draw a picture showing how this happens.

A picture containing lamp

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6. In what situation can a **concave mirror** cause objects toappear **larger than usual and right-side up**? Draw a picture showing how this happens.

A picture containing lamp

Description automatically generated

7. In what situation can a **concave mirror** cause objects to appear **upside-down**? Draw a picture showing how this happens.

A picture containing lamp

Description automatically generated

8. What do objects look like when viewed in a **concave** **mirror**? Draw a picture showing how this happens.

A picture containing lamp

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Diagram

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