

Name: _____ Date: _____

Light

Q1. When does rainbow appear in the sky?

Ans. _____

Q2. We see reflection of trees or buildings in water. Give reason.

Ans. _____

Q3. Why concave and convex mirrors are called spherical mirrors?

Ans. _____

Q4. Give one use each of a concave and a convex mirror.

Ans. _____

Q5. Why the image formed is erect and is of the same size in stainless steel plate?

Ans. _____

Q6. What kind of image is formed by convex lens?

Ans. _____

Light

Q1. When does rainbow appear in the sky?

Ans. Rainbow appears usually after the rain when the sun is low in the sky.

The rainbow is seen as a large arc in the sky with many colours.

Q2. We see reflection of trees or buildings in water. Give reason.

Ans. The surface of water can also act like a mirror and change the path of light. Thus, we see reflection of trees or buildings in water.

Q3. Why are concave and convex mirrors called spherical mirrors?

Ans. Concave and convex mirrors are called spherical mirror because their reflecting surfaces are the parts of hollow sphere of glass.

Q4. Give one use each of a concave and a convex mirror.

Ans. Concave mirrors are used by dentists to see an enlarged image of the teeth. Convex mirrors are used as side mirrors in vehicles.

Q5. Why the image formed is erect and is of the same size in stainless steel plate?

Ans. The image formed is erect and is of the same size in stainless steel plate because it acts as a plane mirror.

Q6. What kind of image is formed by convex lens?

Ans. A convex lens can form real and inverted image. When the object is placed very close to the lens, the image formed is virtual, erect and magnified.