

1.Assertion : A solar eclipse always occurs on a new moon day.

Reason : During a solar eclipse, the dark side of the moon faces the Earth.

2.Assertion : The shadow formed is always a dark patch, irrespective of the colour of the object.

Reason : The opaque object blocks the light.

3. Assertion : Never look directly at a solar eclipse.

Reason :When the moon comes between the Sun and the Earth, solar eclipse occurs.

4. Assertion : The dark part of a shadow that receives small amount light from the source is the umbra.

Reason : Umbra is formed only by an extended source of light.

5. Assertion: We cannot look through a book.

Reason : A book is a transparent object.

6.Assertion: A boy wearing coloured contact lens, grey in the left eye and green in the right eye, standing in front of a plane mirror observes the left eye green and the right eye as grey.

Reason : Lateral inversion makes the left side appears right and right side appears left.