

H.W

1. What is an eclipse?

Ans → Eclipse is an example of formation of shadows in nature.

2. Name the two types of eclipses.

Ans → These two types of eclipses:

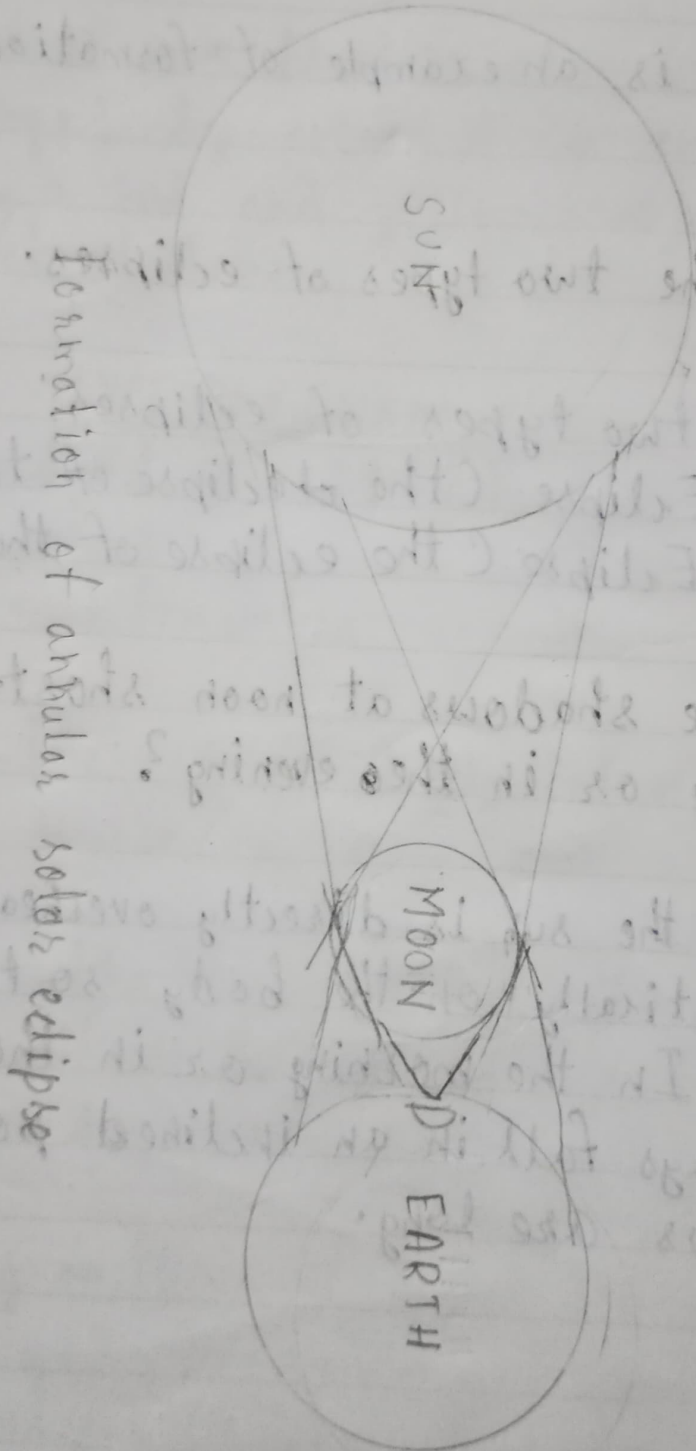
- ① Lunar Eclipse (the eclipse of the moon).
- ② Solar Eclipse (the eclipse of the sun).

3. Why are shadows at noon shorter than in the morning or in the evening?

Ans → At noon the sun is directly overhead, the sun rays fall vertically on the body so the shadow is very short. In the morning or in the evenings, the sun rays fall in an inclined position, so the shadows are long.

4. Draw a labelled diagram to show the formation of annular solar eclipse.

Ans →



Formation of annular solar eclipse.

5. What is annular solar eclipse?

Ans → An annular solar eclipse occurs when only the tip of the umbra of the moon falls on the earth at a point D. From the point D, the sun will appear to be completely obstructed by the moon, only the outer rim of the sun, called corona, is then visible for a very short time which is known as the diamond ring.