SEPER Data Analysis Lab

How can you predict how a solar eclipse will look to an observer at various positions?

The diagram below shows the Moon eclipsing the Sun. The Sun will appear differently to observers located at Points A through E.

DATA AND OBSERVATIONS
Observe the points in relation to the position of the Moon’s umbra and penumbra.

ANALYZE AND INTERPRET DATA
1. **Claim** Draw how the solar eclipse would appear to an observer at each labeled point.

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2. **Evidence** Design a data table to display your drawings.
3. **Reasoning**  What type of solar eclipse is represented in each of your drawings? How do you know?