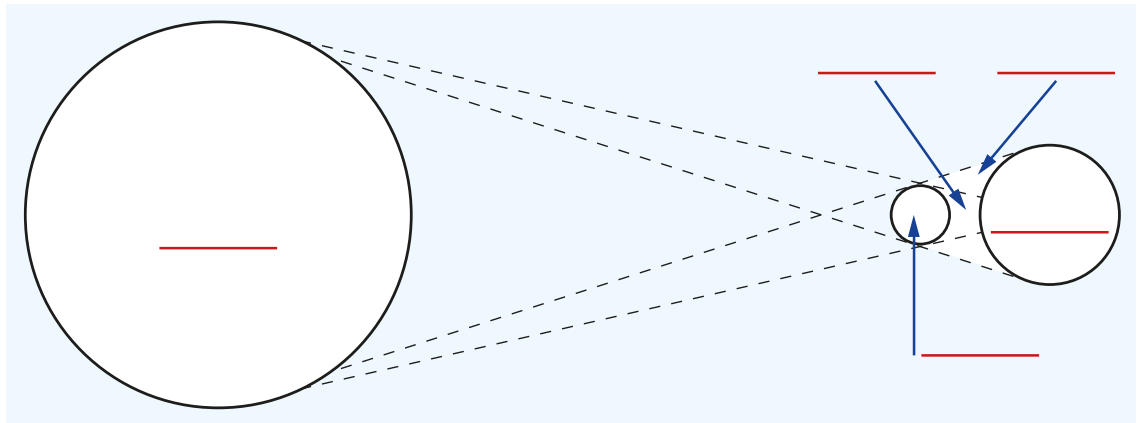


Solar eclipse worksheet

(Years 7–9)



1 Fill in the red blanks using the correct word from below, and then colour in the diagram

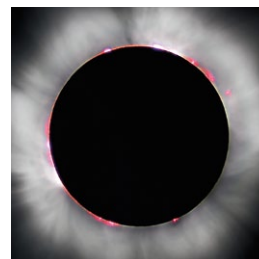
Earth (BLUE), Moon (WHITE), Sun (YELLOW), Penumbra (GREY), Umbra (BLACK)

2 Do you think the following are partial or total eclipses – and why?



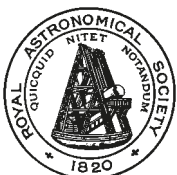
I think this is a

 eclipse. I think this
 because



I think this is a

 eclipse. I think this
 because



*Advancing
 Astronomy and
 Geophysics*

This worksheet was produced by the RAS to mark the solar eclipse of 20 March 2015 – visible as a partial eclipse from the UK. It is available free – along with other eclipse resources – online from

www.ras.org.uk

3 Think about these harder extension questions

- Describe the coincidence about the sizes of the Sun and Moon as they appear from Earth.
- Why are solar eclipses not seen from everywhere on Earth at once?
- Why can you sometimes see partial solar eclipses?
- Why don't we have a solar eclipse every month?
- Discuss the length of time a solar eclipse lasts: what affects this?