Phases of the Moon: A 29-Day Cycle	Name:	

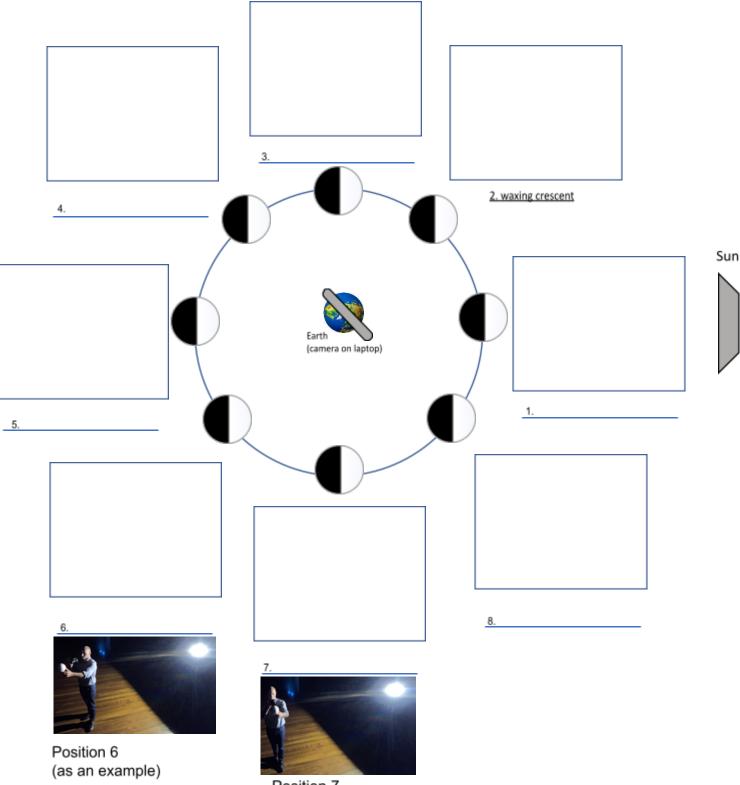
Aim: To use a simple model of the Sun-Earth-Moon system to observe the different phases of the moon.

Equipment: 50 Watt spotlight (the Sun), white Styrofoam ball (the moon), a dark room (space), camera on laptop (the Earth)

Method:

Set up the spotlight in a darkened room at approximately head height.

Stand about 5 metres away from the spotlight and hold up the "moon" in the positions shown in the diagram below. Take a photo of the "moon" from the "Earth" in each position. There will be 8 photos all together. Upload the photos into your Google Drive folder, paste them into this document, and then crop them. Label the phase. (Double clicking the numbers will open a "Drawing" window which you can type into.)



Position 7 (as an example)