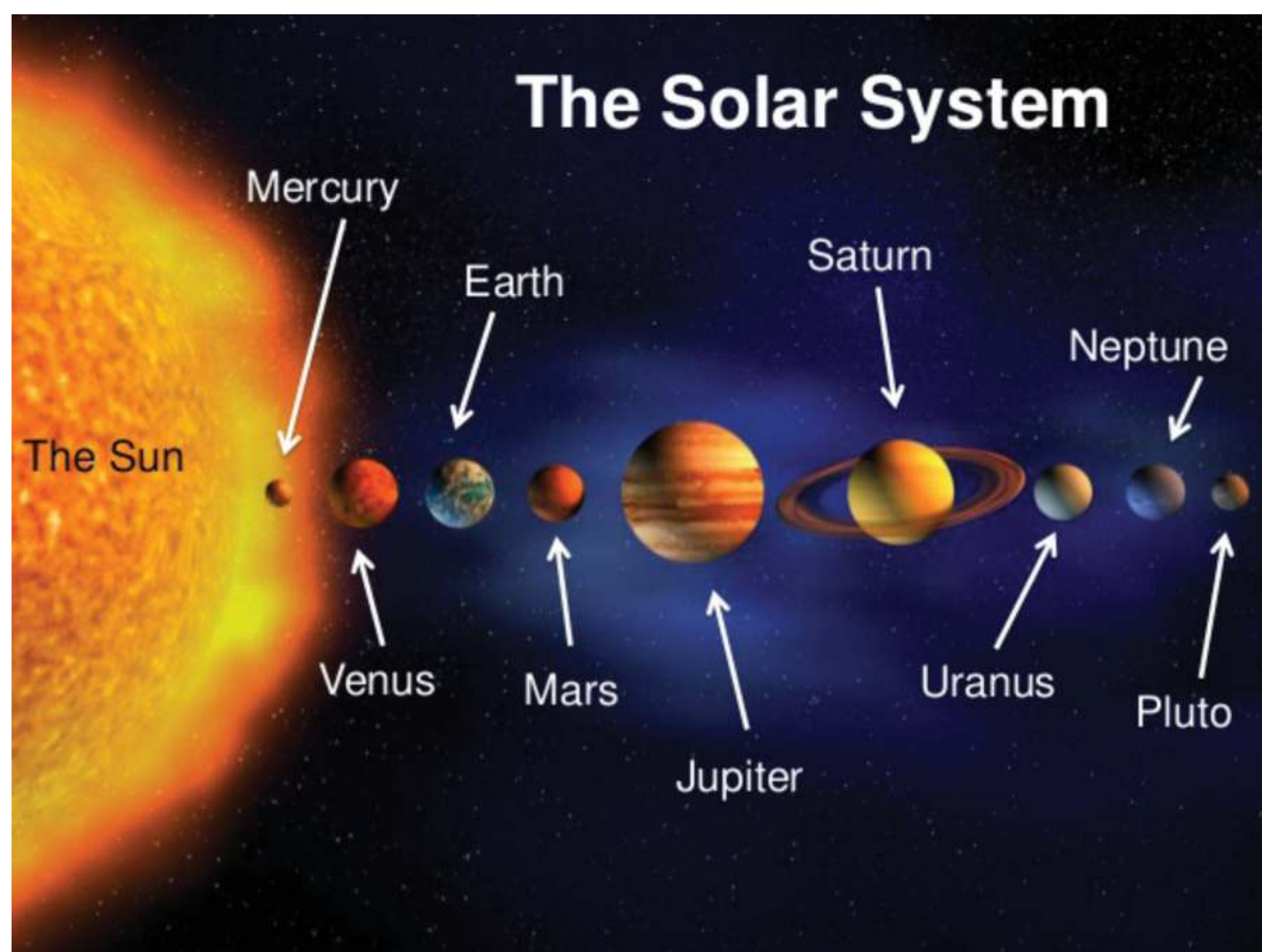
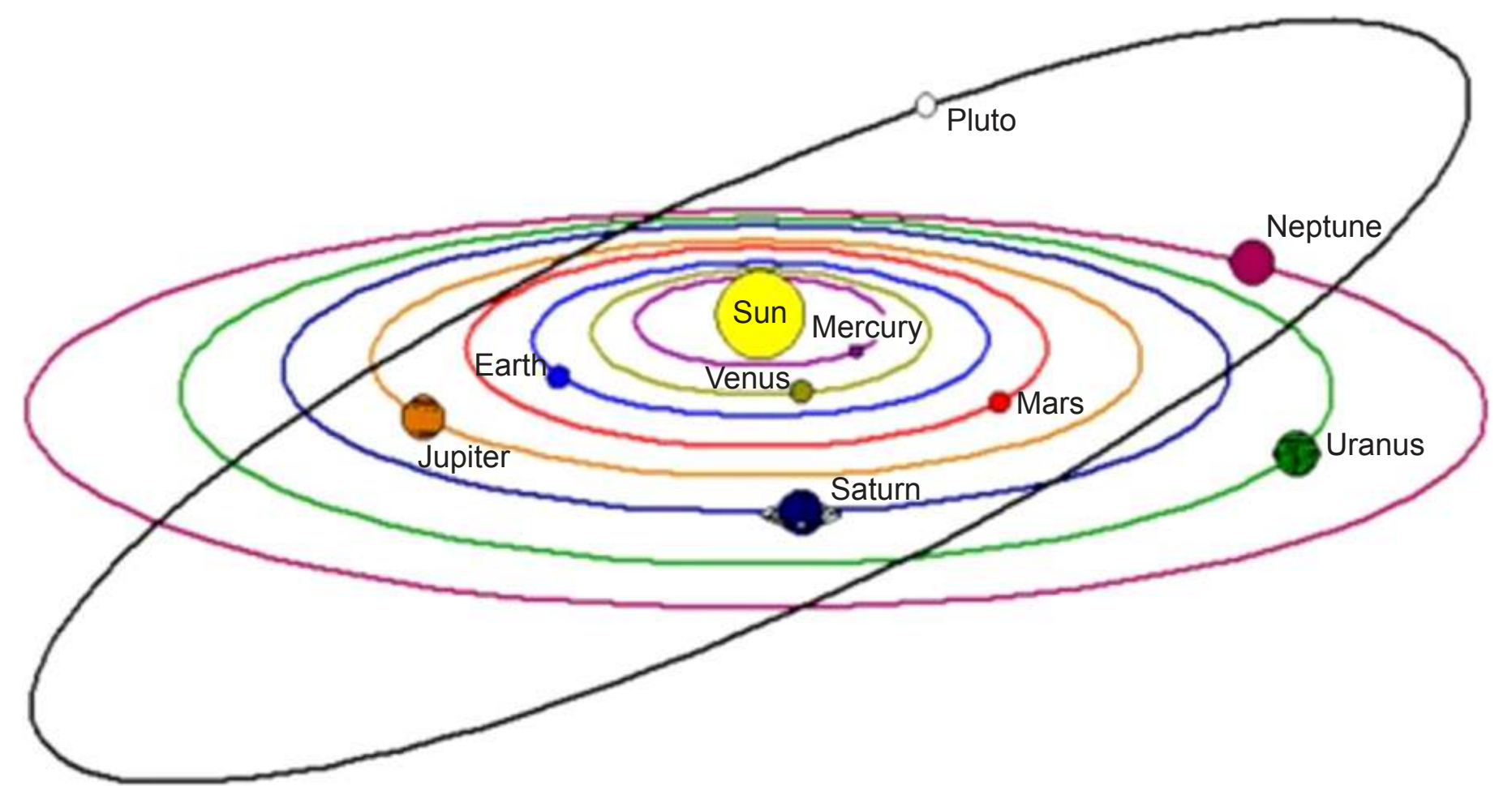


# THE CLIFF PATH TRUE SCALE MODEL OF THE SOLAR SYSTEM



*Relative sizes of the Solar System members*



*Relative planetary orbit radii*

- ☀ It is very difficult to get a true understanding of the relative sizes and distances of the Sun & planets for the simple reason that the ***distances*** involved are so much larger than the ***sizes***
- ☀ The most effective way of getting a true perspective is via an accurately scaled 3D model, where the Sun & planets have the correct relative sizes at the correct distances
- ☀ The largest and most accurate True Scale model of the Solar System (including Pluto) in South Africa has been installed along the Cliff Path from the Amphitheatre to Grotto beach over a straight line distance of 3,867.133 meters
- ☀ At this scale the Sun's diameter is 911.7 mm and Earth's diameter is 8.4 mm at a distance of 97.9 meters
- ☀ At the same scale the closest star to Earth (Proxima Centauri) is 26,347.8 km away
- ☀ ALL the matter in the Solar System (planets and dwarf planets, asteroids, comets, Kuiper Belt and Oort Cloud objects) could fit into a sphere of diameter SMALLER than 100 mm. Together with the 912 mm Sun these are the ONLY objects in a sphere of radius 26,348 km.  
⇒ This illustrates how ***empty*** the Solar System and in fact Universe is



The map shows the locations of all the planet models along the beautiful Cliff Path