

Exoplanet Name: _____

Solar System Size and Scale Lab - Intro

Part 1: Group Introduction

Using the materials provided, we will work as a class to create an accurate scale model of the inner planets in our solar system (Mercury, Venus, Earth, Mars) relative to the “Sun” (yellow ball).

Your prediction for how far in paces Mercury should be from the Sun:

The class’ consensus prediction for how far in paces Mercury should be from the Sun:

The true distance in paces from the Sun to Mercury in this scale model:

What was your first reaction to the scale model of the Sun and Mercury that we just created in the classroom? How is it similar to what you first pictured in your mind when you were asked to space the planets out in the classroom yourselves? How is it different?