

Name: \_\_\_\_\_

## Scale Models

**A Scale Model helps us visualize the relative sizes of objects.**

Let us calculate a scale model for the solar system:

<b>Body</b>	<b>Diameter in kilometers (km)</b>	<b>Scale model 1 centimeter (cm) represents 1,000 km</b>
Sun	1,391,400	
Earth	12,742	
Moon	3,476	

## The Night Sky

This NASA photo shows a night sky. You can see the moon, the star Regulus, and the planets Venus and Mercury. Regulus, Venus, and Mercury seem to be about the same size. Yet Regulus is actually hotter and *much* larger than our sun.

If Regulus is much larger than the sun, why does Regulus look so much smaller than the sun when both are viewed from Earth?

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