**STUDENT WORKSHEET**

**Planet Distance Chart**

Calculate the scale value for each Solar System object using a scale factor of 10 centimeters per astronomical unit (AU). 1 AU is equal to about 150 million kilometers (93 million miles)!

|  |  |  |  |
| --- | --- | --- | --- |
| **Object** | **AU** | **Scale Value** **(centimeters)** | **Bead Color****(optional)** |
| Sun | 0.0 |  |  |
| Mercury | 0.4 |  |  |
| Venus | 0.7 |  |  |
| Earth | 1.0 |  |  |
| Mars | 1.5 |  |  |
| Jupiter | 5.2 |  |  |
| Saturn | 9.6 |  |  |
| Uranus | 19.2 |  |  |
|  Neptune | 30.0 |  |  |