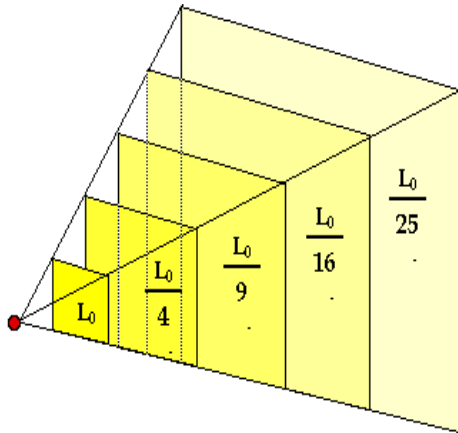


Space Shelter Research Handout

Name of planet: _____

Distance of planet from Earth: _____ miles _____ kilometers

Distance of planet from Sun: _____ miles _____ kilometers



Brightness of Sun compared to Earth

Brightness of Sun compared to Earth =

$$\frac{(\text{Distance of planet from Sun})^2}{(\text{Distance of Earth from Sun})^2} = \frac{(\text{Distance of planet from Sun})^2}{(90,000,000 \text{ miles})^2}$$

$$\frac{(\text{Distance of planet from Sun})^2}{(90,000,000 \text{ miles})^2} = \underline{\hspace{2cm}}$$

A value of 2 above would mean sunshine on your planet is twice as bright as Earth's! A value of 0.5 would mean the sunshine is half as bright.

Day length: _____ Earth-hours

Percentage of O₂ in atmosphere: _____ % O₂

Strength of gravity: _____ g

Climate: _____

Surface composition: _____

Any other facts you need to know to survive: _____

How will you get to the new planet from earth? _____

What 5 things will you take with you and why? _____
