

NAME: _____

*These Assignment Sheets are to help you with your studying; they do not need to be turned in.
However, we will be going over this one in class on the date indicated above.*

1. What is an *astronomical unit*?
2. What is a *light-year*?
3. What is a *solar luminosity*? a *solar mass*?

Express each of the following using scientific (powers of ten) notation:

4. 10,000,000 = _____
5. 24,500,000 = _____
6. Four hundred billion = _____
7. Two million three hundred thousand = _____

Express each of the following without scientific (powers of ten) notation:

8. $10^8 =$ _____
9. $3.579 \times 10^7 =$ _____

Express each of the following in words (as in Questions 6 & 7 above):

10. $3 \times 10^{10} =$ _____
11. $4.8 \times 10^8 =$ _____

12. *Between the ages of zero and twenty it is generally true that the older people are, the taller they are.
In the space below, or on the back of this page, draw a plot indicating this relationship.*