

Your Name  
Physics 162  
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Dr. Dennis Brown

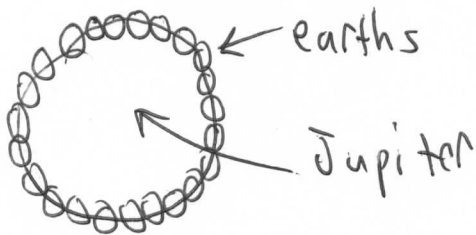
## Problem Set # 1

① The light we see tonight from a star 230 light years away left it 230 years ago

② An astronomical hypothesis is a piece of knowledge that every astronomer accepts: False

③ 
$$\frac{43926 \text{ km}}{1 \text{ Jupiter circumference}} \times \frac{1 \text{ earth diameter}}{12756 \text{ km}} = \frac{43926}{12756} \frac{\text{earth diameters}}{\text{Jupiter circumference}}$$

= 34 Earth diameters can fit side by side around the perimeter of Jupiter



④ Graphical Problem in Expert TA: put astronomical objects in the box in order of size from smallest to largest

