

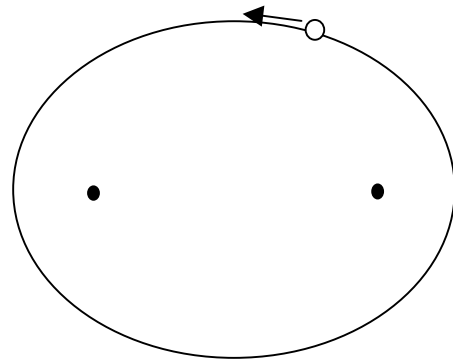
Ticket to Fly: Orbits Introduction

Name: _____ Per ___ Date _____ Grade: ___ /7



Below is a particularly eccentric ("oval-like") object (satellite) orbiting around a gravitational point (i.e., a planet orbiting around a sun).

1. Write the word "Sun" immediately next to one of the foci.
2. Draw and label the "major axis".
3. Label the location of highest orbital kinetic energy by writing "Highest K.E.".
4. Label the location of highest orbital potential energy by writing "Highest P.E.".
5. Label on the orbital line where the planet's velocity is slowest by writing "Slow".
6. Label on the orbital line where the planet's velocity is fastest by writing "Fast".
7. What term do we use to describe the geometric shape of most orbits?



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