

Kepler's Laws Exploration with The Physics Classroom

<http://www.physicsclassroom.com/class/circles/Lesson-4/Kepler-s-Three-Laws>

As you read through the text on Kepler's Laws, take notes in your physics notebook. You'll need to ensure you have a complete understanding of the following list.

- 1) What do Kepler's Laws accurately describe?
- 2) What are Kepler's Three Laws?
- 3) What is an ellipse?
- 4) What is the simple description of Kepler's first law?
- 5) Describe the speed of a planet.
- 6) What is a pictorial representation of the law of equal areas?
- 7) What does the law of harmonies compare?
- 8) Work through each of the 9 examples at the bottom of the page. At a minimum, copy down the question and solutions to the odd numbered problems.