

**PHYSICAL SCIENCE 101
ASSIGNMENT 8**

Choose the letter of the term that best fits the definition given:

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|----------------------|-------------------|
| A. Orbital Motion | G. Uniform Motion |
| B. Motion | H. Pi () |
| C. Eccentricity | I. Ellipse |
| D. Density | J. Circle |
| E. Retrograde motion | K. Rotation |
| F. Aphelion | L. Perihelion |

ANSWERS

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| 1. A geometrical figure has all its points equidistant from a fixed point. | 1. _____ |
| 2. The apparent motion of a planet, first westward, then eastward, then again westward. | 2. _____ |
| 3. Motion about an axis. | 3. _____ |
| 4. Motion about a center. | 4. _____ |
| 5. Motion of a body that covers equal distances in equal time intervals. | 5. _____ |
| 6. The point in the earth's orbit nearest the sun. | 6. _____ |
| 7. Shape of the earth's orbit. | 7. _____ |
| 8. A change of position of an object with respect to another. | 8. _____ |
| 9. The ratio of the circumference of a circle to the diameter of a circle. | 9. _____ |
| 10. Ratio of the mass of an object to its volume. | 10. _____ |

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| A. Rotation of the earth | D. Tilt of the earth's axis | 1. _____ |
| B. Best accounts for the phenomenon of the seasons. | E. Both the tilt of the axis and rotation | 2. _____ |
| C. Revolution of the earth | F. Both the tilt of the axis and revolution | 3. _____ |
| Star Trails are used as a proof. | | 4. _____ |
| Both rotation and revolution | | 5. _____ |

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| 3. Accounts for the Sun rising at different points on the horizon when viewed from the same place at mid-summer and mid-winter | 3. _____ |
| 4. Parallax displacement of stars is used as a proof. | 4. _____ |
| 5. Behavior of the Foucault Pendulum. | 5. _____ |
| 6. The movement of winds about low and high pressure areas. | 6. _____ |
| 7. Accounts for the differences in the apparent size of the Sun at different times of the year. | 7. _____ |
| 8. The Sun apparently travels west across the sky. | 8. _____ |