PHYSICAL SCIENCE 111
ASSIGNMENT 8

Choose the letter of the term that best fits the definition given:
A. Orbital Motion  G. Uniform Motion
B. Motion  H. Pi (\(\pi\))
C. Eccentricity  I. Ellipse
D. Density  J. Circle
E. Retrograde motion  K. Rotation
F. Aphelion  L. Perihelion

**ANSWERS**

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

**ANSWERS**

A. Rotation of the Earth  D. Tilt of the Earth’s axis
B. Revolution of the Earth  E. Both the tilt of the axis and rotation
C. Both rotation and revolution  F. Both the tilt of the axis and revolution

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