

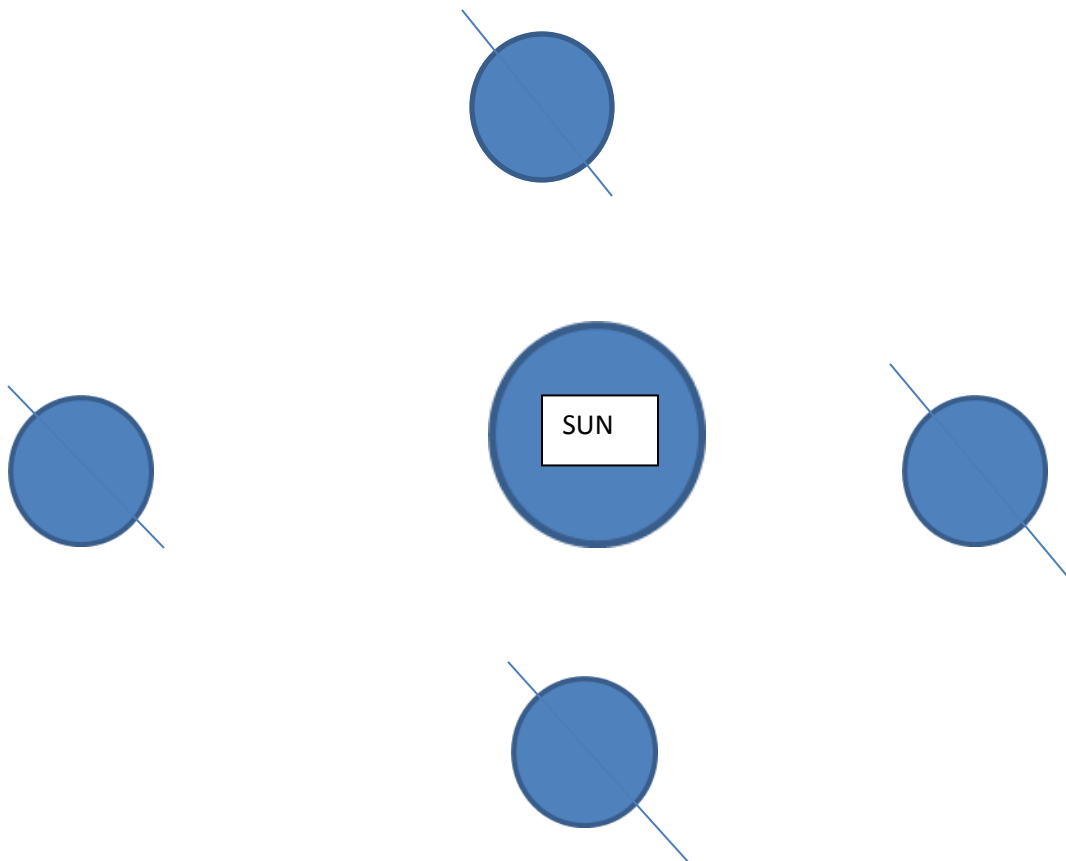
## Earth's Motions Question Set

1. Contrast "rotation" and "revolution."
2. What is the main result of Earth's rotation?
3. How can we measure the time of one rotation?
4. What is the main result of Earth's revolution around the Sun?
5. What is the exact shape of Earth's orbit?
6. Complete the table:

Point in orbit	Date	Distance
Perihelion		
Aphelion		

7. About how many degrees is Earth's axis of rotation tilted compared with the plane in which it revolves around the Sun? What does this tilt produce?

8. At each of the four positions shown below, label the:
- name (such as "Spring Equinox" or "Summer Solstice")
  - usual dates (such as March 20 – 21)
  - latitude where the Sun is directly overhead (such as "0°" or "23½° S")
  - name of that latitude (such as "Equator" or "Tropic of Capricorn")



9. What is "Precession"? How does this movement affect Earth?