

Name: _____

Period: _____

Instructions: Use the diagram below to answer the following questions. The diagram shows the Earth at four different positions in its orbit around the Sun. Write the number(s) of the appropriate position next to each of the following events.

- _____ June 21
- _____ March 21
- _____ September 23
- _____ December 21
- _____ Summer solstice
- _____ Winter solstice
- _____ Spring equinox
- _____ Autumnal equinox
- _____ Greatest angle of insolation
- _____ Greatest intensity of insolation
- _____ Greatest duration of insolation
- _____ Least angle of insolation
- _____ Least intensity of insolation
- _____ Least duration of insolation
- _____ Sun at zenith at Tropic of Cancer
- _____ Sun at zenith at Equator
- _____ Sun at zenith at T. of Capricorn
- _____ Earth is closest to Sun
- _____ Earth is farthest from Sun
- _____ Longest noontime shadow
- _____ Shortest noontime shadow
- _____ Longest day
- _____ Shortest day
- _____ 12 hours of both light and dark
- _____ Southern Hemisphere winter
- _____ Southern Hemisphere summer
- _____ Southern Hemisphere fall
- _____ Southern Hemisphere spring

