

Names: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

# Angle of Insolation

Current angle of insolation: \_\_\_\_\_ degrees

Date: \_\_\_\_\_

Current time: \_\_\_\_\_

- 1) Where did the Sun rise this morning?
- 2) Where will the Sun set this evening?
- 3) Where is the Sun right now?
- 4) Where will the Sun be exactly 24 hours from now?
- 5) At the same time of day, where will the Sun be on June 21 (the summer solstice)?
- 6) At the same time of day, where will the Sun be exactly one year from now?
- 7) What would happen to the Sun's position if you started walking southward toward the equator?
- 8) What happens to the angle of insolation over the course of a day?
- 9) What happens to the angle of insolation throughout the seasons?
- 10) What happens to the angle of insolation if you move towards or away from the equator?