

NAME: _____

PERIOD: _____

LABORATORY REPORT - SUN SOAKED

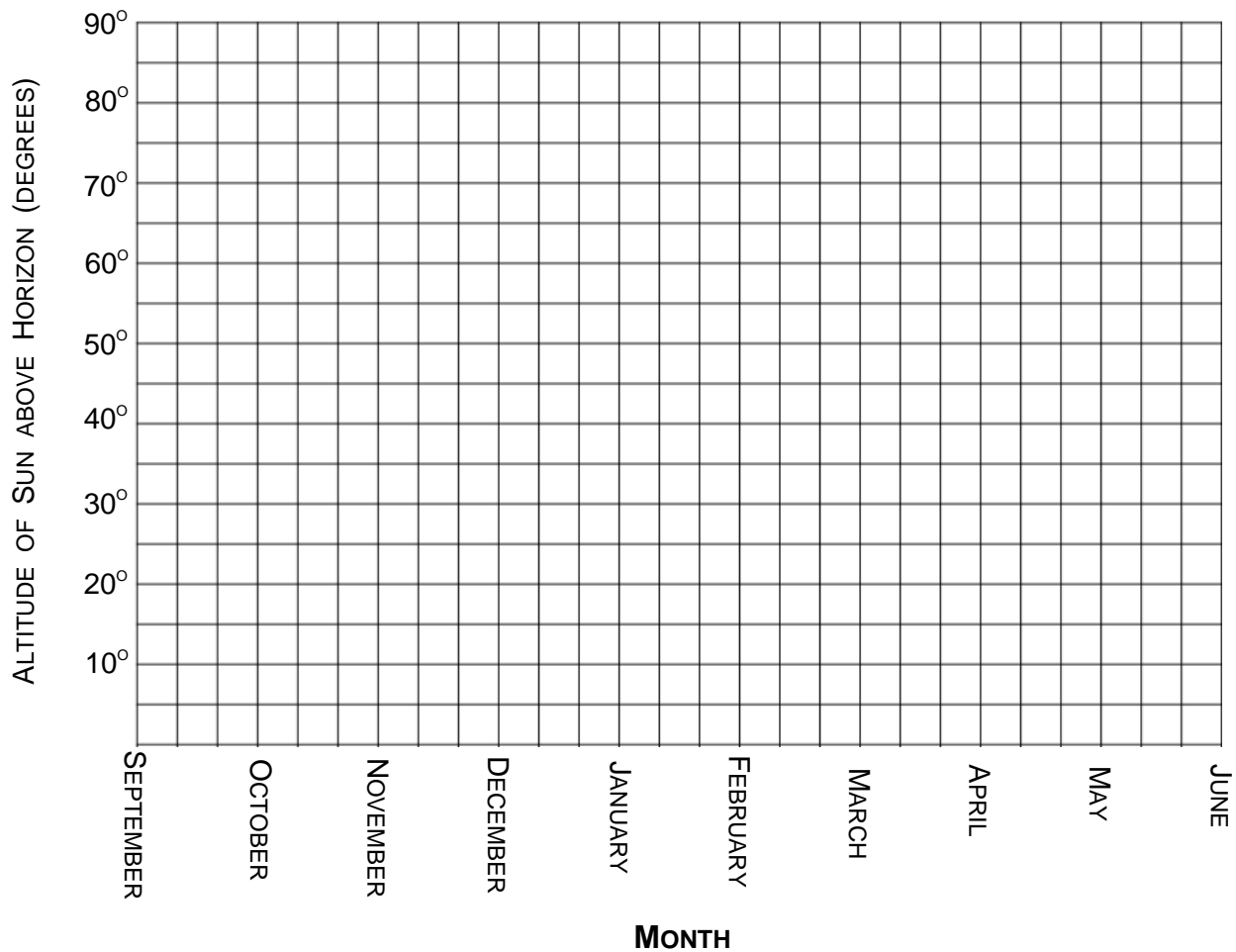
OBJECTIVES: SYNTHESIZE YEARLONG OBSERVATIONS OF THE SUN
ANALYZE POSITIONS OF THE SUN THROUGHOUT THE YEAR

MATERIALS: SOAK UP THE SUN DATA SHEET, PENCIL

GRADE (OUT OF 6):

PROCEDURE:

- (a) USE YOUR DATA FROM THE SOAK UP THE SUN DATA SHEET TO COMPLETE THE GRAPH BELOW SHOWING THE ALTITUDE OF THE SUN FROM SEPTEMBER TO JUNE. CREATE YOUR OWN UNIQUE TITLE.

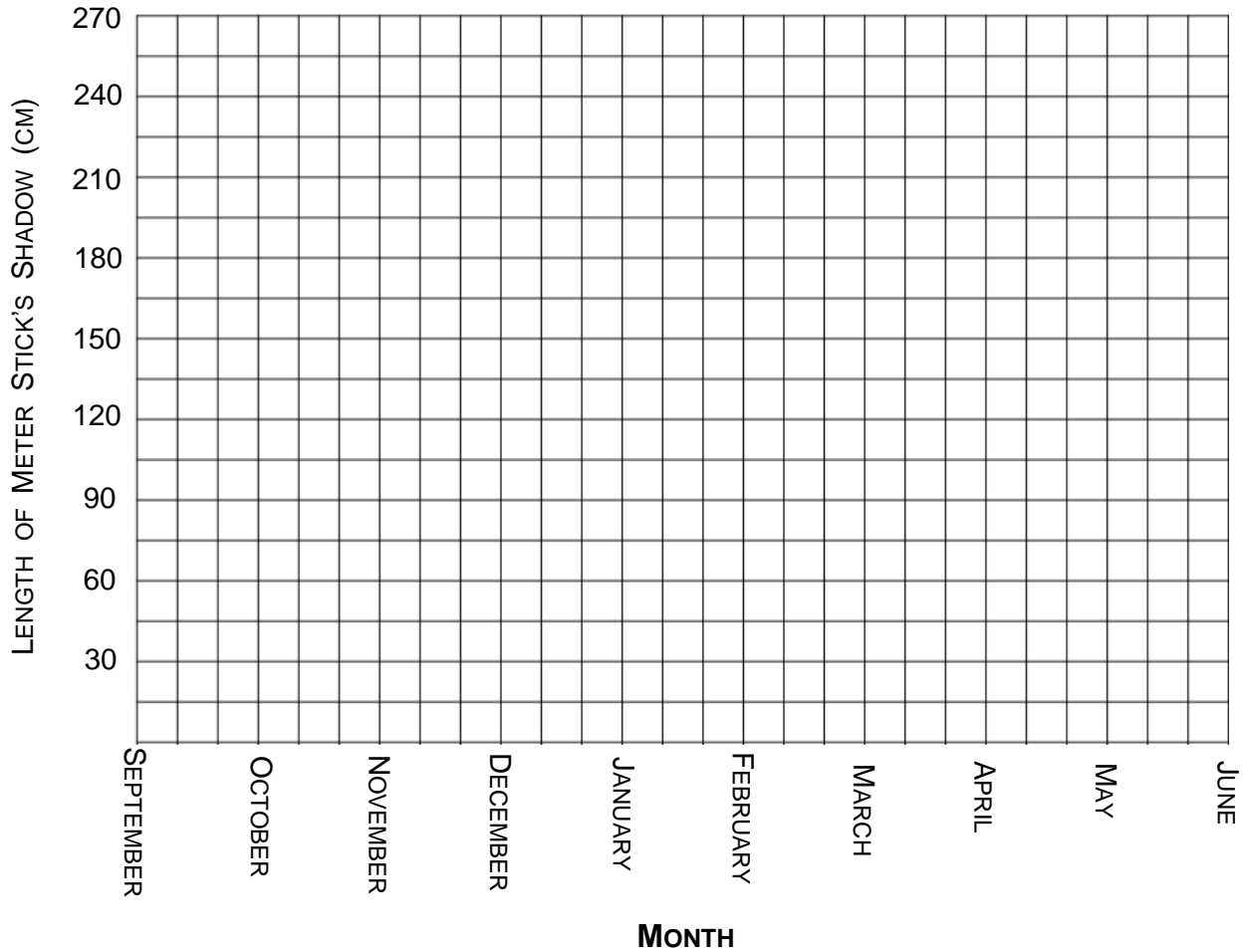


- (b) DESCRIBE HOW THE ALTITUDE OF THE SUN CHANGED FROM SEPTEMBER TO JUNE.

(c) PREDICT THE ALTITUDE OF THE SUN FOR JULY AND AUGUST.

(d) USE YOUR DATA FROM THE SOAK UP THE SUN DATA SHEET TO COMPLETE THE GRAPH

BELOW SHOWING THE SHADOW LENGTH OF A METER STICK FROM SEPTEMBER TO JUNE.
CREATE YOUR OWN TITLE.



(e) DESCRIBE HOW THE SHADOW LENGTH CHANGED FROM SEPTEMBER TO JUNE.

(f) PREDICT THE SHADOW LENGTH FOR JULY AND AUGUST.

ANALYSIS:

(1) DESCRIBE THE RELATIONSHIP BETWEEN ALTITUDE OF THE SUN AND SHADOW LENGTH.

(2) WHAT CAUSES THESE CHANGES IN SOLAR ALTITUDE AND SHADOW LENGTH?

(3) WHY DID THE COMPASS DIRECTION REMAIN ABOUT THE SAME FOR THE ENTIRE YEAR?