



## 2008 MENTOR SCIENCE OLYMPIAD INVITATIONAL FIVE STAR SCIENCE

SCHOOL: \_\_\_\_\_

TEAM NUMBER: \_\_\_\_\_

- ◆ For each station you will get only 10 minutes so you will have to work efficiently!
- ◆ Answers must be in proper units and significant figures when necessary

### BIOLOGY STATION:

1. \_\_\_\_\_                      2. \_\_\_\_\_                      3. \_\_\_\_\_

4.

5.

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

D. \_\_\_\_\_

E. \_\_\_\_\_

F. \_\_\_\_\_

G. \_\_\_\_\_

H. \_\_\_\_\_

Tiebreaker: February 12 marks the birthday of what famous figure in Biology?

\_\_\_\_\_

DATA STATION:

6.



7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10.



Tie Breaker:

11. \_\_\_\_\_

CHEMISTRY STATION:

12. \_\_\_\_\_

13. \_\_\_\_\_  
\_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

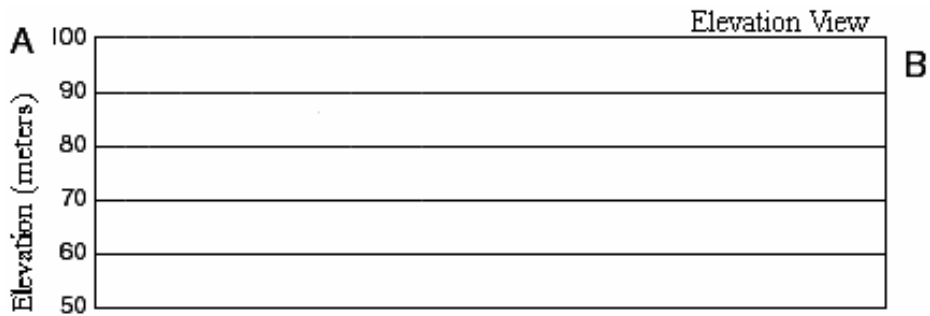
18. \_\_\_\_\_

19. \_\_\_\_\_

Tiebreaker: \_\_\_\_\_

EARTH SCIENCE STATION:

20.



21. A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

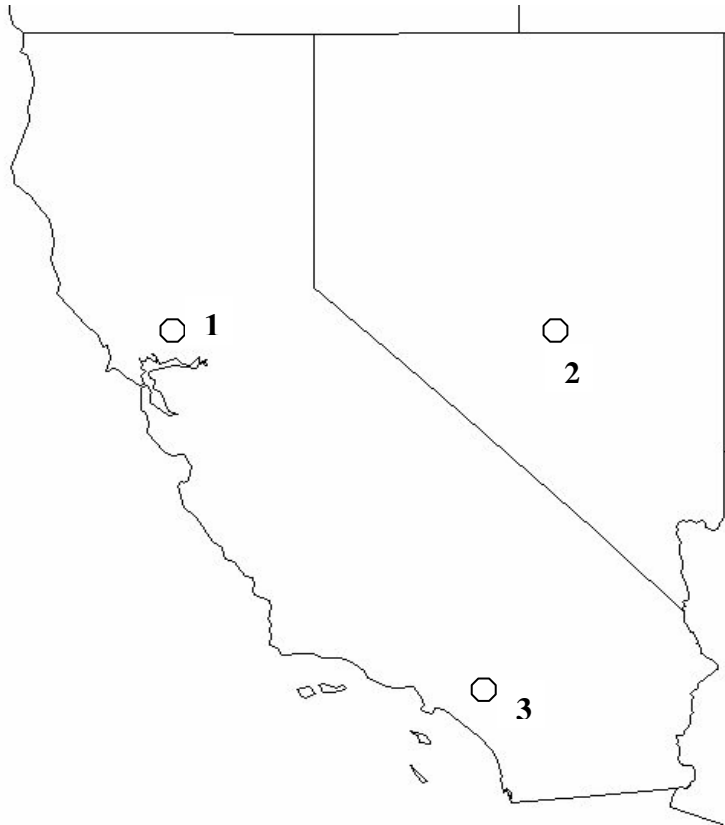
22. A. \_\_\_\_\_

B. \_\_\_\_\_

23.

Seismograph	Time between P & S wave	Distance from station
Station 1		7 cm
Station 2	1 minutes 30 seconds	3 cm
Station 3		4 cm

24.



25. \_\_\_\_\_

Tie Breaker: \_\_\_\_\_

**PHYSICS STATION:**

26. \_\_\_\_\_

27. \_\_\_\_\_

28. \_\_\_\_\_

29. \_\_\_\_\_ (Show work)

30. \_\_\_\_\_  
\_\_\_\_\_

31. \_\_\_\_\_(Show Work)

32. \_\_\_\_\_(Show work)

33. a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_