

Solar Cars

Project Manager:

Supply Manager:

Time Keeper:

Examples of Artificial Light

Examples of Natural Light

Artificial Light vs. Natural Light

I think _____ light will work best because _____

_____.

| Type of Light Source | Distance in 10 sec in cm |
|--------------------------|--------------------------|
| | |
| | |
| | |
| Sunlight (natural light) | |

Optimum Angle

I think _____ degrees will work best because _____

_____.

| Angle of Solar Panel | Distance in 10 sec in cm |
|----------------------|--------------------------|
| 15° | |
| 30° | |
| 45° | |

What is the relationship between the angle of the solar panel and the distance the car traveled?

Surface

I think _____ (pick a surface) will help my car go further because

| Surface | Distance in 10 Sec in cm |
|---------|--------------------------|
| | |
| | |
| | |
| | |
| | |

C. E. R. with Combination

Remember that $S = D/T$

I claim that a _____ degree angle on _____ (the best surface) in _____ (artificial or natural) light is the best combination to make the solar car go the furthest. With this combination, the highest speed we got was _____ cm/10 sec.

My evidence for my claim is _____

My reasoning is _____
