

Name: _____

Date: _____



GENIUSCHALLENGE

CAUSES OF SEASONS

1. Earth spins on its axis, which is tilted _____ degrees relative to its plane of orbit.
2. The light is most intense where it strikes Earth _____ to its surface.
3. Why is Earth warmest near the equator and coldest near the poles? _____

4. When the Northern Hemisphere is pointed toward the Sun, it is considered _____ in North America.
5. When the Southern Hemisphere is pointed away from the Sun, it is considered _____
in South America.
6. Why are there more hours of daylight during the summer? _____

7. Why are there zero hours of daylight at the North Pole and South Pole in the winter?

8. At what latitude are there almost no differences between the seasons? Explain why this occurs.

9. What causes the intensity of light to be lower in the winter in locations other than the equator?

10. On the back of this paper, draw a model that supports your answer to question 9.