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## [4] Time to Drive

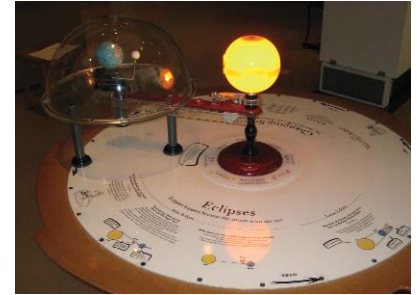


**FIND** the sun/Earth/moon model. →

**READ** aloud:

This activity will help you answer these questions:

What is the best time of year to drive a solar car? How does the tilt of the earth affect the energy available to a solar vehicle?



**GRAB** the funnel.

Place the funnel over the sun and aim the light so that it hits North America. →

*Turn the large wheel to make Earth go around the sun.*

What season is the light on North America a circle?

What season is the light on North America a long oval?

How does the tilt of the earth affect the shape of the light? (When is North America tilted toward the sun? Away from the sun?)



How does the shape of the light relate to the amount of energy the Earth receives during those seasons?

