

Focus ?

today's date

What is the relationship between the Sun, the Earth & our Moon?

Evidence: Video Phenomenon, Class discussion, and Models

First Thing's
First:

Identify the name of this phenomenon: _____

How do you think this phenomenon occurs? _____

is this the only type of phenomenon of its kind?

Explain your answer: _____

...Time For Some Background Knowledge...

How far away is
the Moon from
the Earth?

Group Thoughts: _____

*in truth, the Moon, also known as _____
approximately _____ miles, or _____
kilometers from our planet!

*how long would it take a rocket traveling at
a speed of about _____ to get to the Moon?

*formula: $t =$ _____

*work: $t =$ _____ / _____

*answer: $t =$ _____ hrs

*in days: $t =$ _____ days

*if your ship takes _____ to get to the Moon
at a speed of approximately _____, how
far away is the Moon from your location?

*formula: $d =$ _____

*work: $d =$ _____ x _____

*answer: $d =$ _____

*did you leave from Earth? _____

Notes Continued

Group Thoughts: _____

How about our Star? How far away is it?

*in truth, our star, also known as _____ is approximately _____ miles, or _____ kilometers from Earth.

*how long would it take a car traveling at _____ to get to the Sun?

*formula: $t =$ _____

*work: $t =$ _____ / _____

*answer: $t =$ _____; days = _____

*would you get there alive? _____

*it takes light from the Sun about _____ to reach Earth!

Back to the Phenomenon?

How can the _____ do this to the _____?

Draw a Model to Show what you think is happening.
(label and add comparative distances)



Summary (must include 1 follow-up question about material)