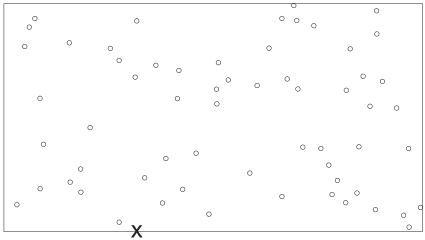
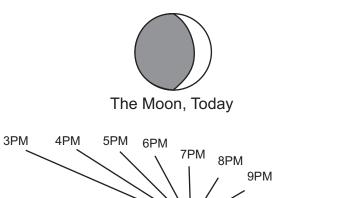
EPS Te	st				Name:				
Lost St	udent <b>Scenario H</b>								
curren and di provid out, or impres	nce you figure out	e season. You he data on the tion about you the date, you es by "making	do have back of ur situation realize to the modern the	a pretty this pape on, and it hat there on go dar	good ide er. The l t allows v e will soo k." Afte	ea of who knowled you to pon be all ryour d	nat the ye Ige you g Dlan an e Iunar ecl emonstr	ear might be. Ugain from your coscape from the ipse. This know	sing vines, sticks,
1.	What is your isla			42 47	52 57	62 (	67 72	77 82 87	
2.	What is your island o-15W 15-30V 15-30E 15-30E 135-150E 150	W 30-45W 0-165W 165 30-45E 45	45-60W 5-180W 5-60E 6	/ 60-75 0-75E		-90W 90-10	90-105V 5E 105	V 105-120W 5-120E 120-13	120-135W 5E
3.				rder to g	et to Ess	ex the f	astest?	Eastward We	stward
4.	Which way will you need to travel in order to get to Essex the fastest? Eastward Westward Which solstice is coming next? Summer Winter								
5.	What is the curr	_	_						
_	1 6 11 16 21 26 31 36 41 46 51 56 61 66 71 76 81 86 What is the approximate current tilt of the Earth's axis (in degrees toward the sun, for the Northern								
6.	Hemisphere)?		ent tilt of	the Eart	:h's axis	(in degr	ees towa	ard the sun, for t	the Northern
_	0 +2	+7 +12	+17	. +22	-2	-7	-12	-17 -22	
7.	What is today's 1/1 2/1	3/1 4/1	5/1	rk mark a 6/1	7/1	rrect da 8/1	9/1	e timeline belov 10/1 11/1	v. 12/1 1/1
8.	What is the curr Winter	ent season? Spring	Summ	ier	Fall				
9.	How many hour 0 1 2 3 4	rs of daylight v 5 6 7 8	-		-			e on the timeling 18 19 20 2	
10.	At your latitude Wet Dry	, will your cur Neither	rent seas	on be pa	rticularly	/ wet, p	articular	ly dry, or neithe	r?
11.	Do you have pre	evailing winds	that blov	w in the g	general c	lirectior	of Essex	x?	
12.	What is the present moon phase?								
	Full	New			-			Waning (3 <sup>rd</sup> ) Q	
	Waxing gibbous		ng Gibbo		-	g Cresce		Waning Cresce	ent
13.	Approximately h						_	oring tide?	
1.1	0 ½	1 1½	2	2 ½	3 Lwooks	3 ½	4	that high and la	+idoo ona ala:f+l
14.	2 hours forward	by the friction	n of the	rotating I	Earth. W	/hat is t		-	w tides are shifted high tide, today?
15.	2AM/PM	5AM/PM	NMA8		11AM/		onth If:	/ομ'ro right in h	ow many weeks
13.	will the eclipse		73E 30111E	unie uu	ing the	HEAL HIL	onicii. II y	rou re rigiit, iii ii	OW IIIally WEEKS
	0 ½	1 1½	2	2 ½	3	3 ½	4		



The night sky. The "x" represents the position of your eye ball.

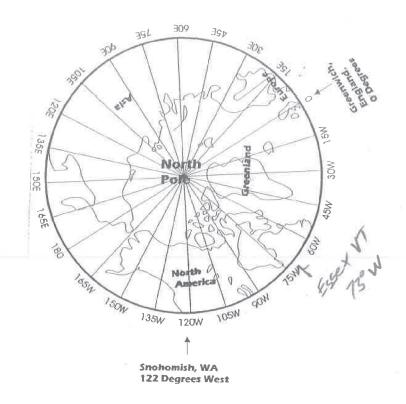
Shadow cast by a vertical stick at noon today

Shadow cast by the same stick at noon a few days ago



Shadows cast by a vertical stick (Times in Essex are shown)

10PM



**Time Versus Axial Tilt** 

