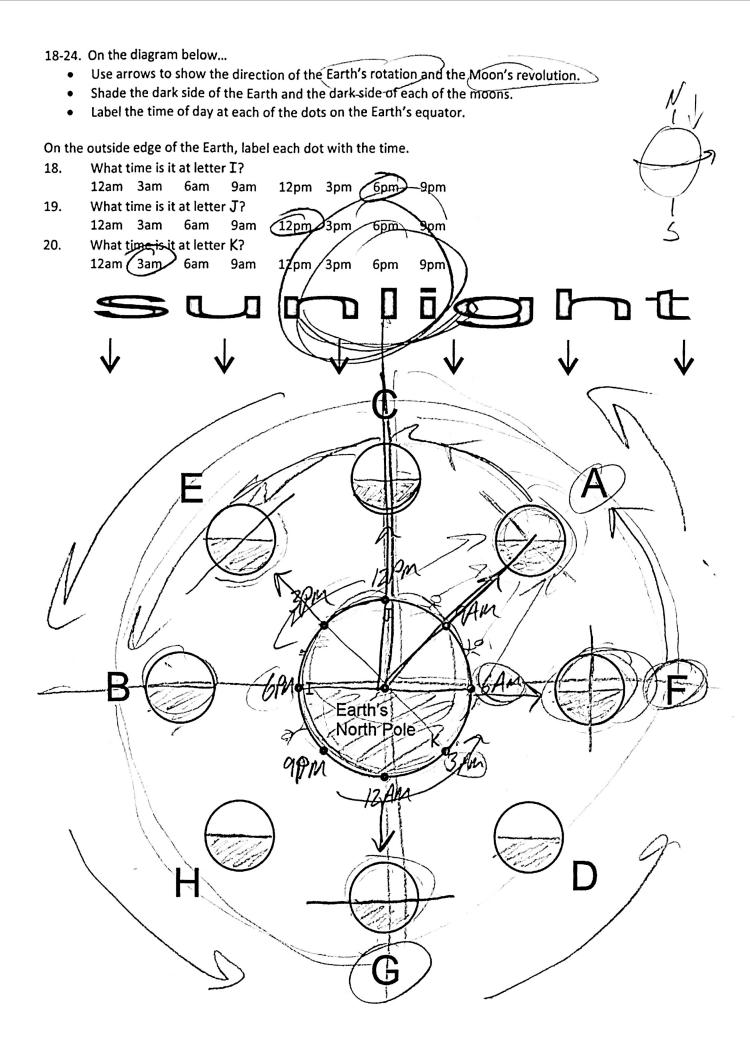
ESS 100
System of the Earth, Moon, and Sun
Practice Test #2

Name: KCY

Matcl	Matching Moon Phase Terms. Some terms are used more than once:									
IVIALLI	A. Waxing	B. Waning	C. Crescent	D, Gibbous	E. Quarter	F. New	G. Full			
1. 2. 3. 4. 5. 6. 7. 8. 9.	A moon In the N A moon This des A moon A moon In the N	that is completed orthern Hemisphat is mostly lescribes any mood phase that apphate is mostly corthern Hemisphat is corthern Hemisphate is corthern Hemisphate is complete in the corthern Hemisphate in the corthern Hemisphate is complete in the corthern Hemisphate in the corthern He	tely dark (the shap bhere, this descri ighted, with a cu on phase that is in tears to be half li dark, but with a co bhere, this descri completely-lit, b	ded side is facing the sany moon the sany moon the same of dark the process of ght and half dark the sany moon the	g Earth). nat is lit only on kness on one si shrinking (the li k. ice on one side nat is lit only on	de. ghted part is gett the left side.	ing smaller).			
10.	labeled arrows each of the fol Earth's rot Earth's rev The Moon	ation olution	e	Earth's torth Pole	E	The lation				
Cause 11.	what causes to fall each day? a. Earth's rotal b. Earth's revo c. Moon's rota d. Moon's rev	tion lution	now tion person		rotation					
12.	What causes to a. Earth's rotat	_	ides to change – th's revolution			and back? oon's revolution	>			
13.	What causes o a. Earth's rota	our seasons to c	hange? th's revolution	c. Moon's rota	ation d. Mo	oon's revolution				
14.	What causes t		to change (from in the character) that the character of t	morning to after c. Moon's rota		? oon's revolution				
15.	What causes e a. Earth's rota	clipses to begin tion b. Ear	and end? th's revolution	c. Moon's rota	ation d. Mo	oon's revolution	•			
16.	What causes t a. Earth's rota	he Moon's phas tion b. Ear	se to change? th's revolution	c. Moon's rota	ation d. Mo	oon's revolution				
17.		he Moon to rise	e and set?	a Moon's rot	ation d M	on's revolution				



21.	During	which i	moon ph	ase is it po	ssible	to have	have a	solar ecli	pse?		
	Α Α	В	(C)		E	F	G	H	,		
22.	During	which i	moon ph	ase is it po	ssible	to have	have a	unar ecli	ipse?		
	Α	В	С	D E	Ē	F ((G)	Н			
			\sim								
23.	Consid										
	a.	Circle	the pictu	ire that sh	owew	hat this	moon w	ould loo	k like tr	om the Noi	rthern Hemisphere.
		()		$\mathbf{O}(\mathbf{D})$)				
	b.	What	is the sh	ape of this	moon	phase?	***				
		Full	New	Gibbous		Cresce	nt	Quarte	r		
	c.	This m	oon is _								
		Waxin	_	Waning	,	Neithe					
	d.			eks until th	ie mpo	on move	-				
		0	.5	$1 \bigcirc$	1.5	2 .	2.5	3	3.5	4	
	e.			eks until th		•				4	
	f.	0 ^+ wh:	.5	ximate tim	L.5	2 this mo	2.5	3	3.5	4	
	••		3am		am	12pm		6pm	9pm		
	g.			ides can w		151		•	•		
	0	Strong		Weak Tic			$\overline{}$	nor wea			
											The state of the s
			(Carac
24.	Conside	ar this n	noon.	\mathcal{V}							3710-9
24.	a.			ape of this	moon	phase?					Ah 505:05
	-	Full	New	Gibbous		Crescer	nt	Quarte	\supset		of A Le
	b.		oon is _								
		Waxin	g	Waning)	Neither	r				Hh
	c.		moon ir	the diagra	am loo	ks like t	his whe	n viewed		arth?	
		Α	В	C [E	F	G	Н	_	
	d.	_	nany we	eks after th		_				_	((nh))
	0	0 How n	.5 .20v wee	1 1 eks until th	l.5	2 In nhaca	2.5	oing cres	3.5	4	
	e.	0 /	5		l.5	711 pilase 2	2.5	3	3.5	4	1
	f.	• (ximate tim						•	
			3am		am	12pm	_	6pm	9pm		(S)
	g.	What	type of t	ides can w	e expe	ct during	g this m	oon phas	se?		
		Strong	Tides	Weak Tic	les	Neither	r strong	nor weal	k		Neap
											=1.
											4h Weak
										(A)	ANG FULL
										(M)	LH C
											$\overline{}$

- 25. Create a diagram showing the umbra and penumbra during a solar eclipse. There must be areas of partial eclipse, total eclipse, and no eclipse. Your diagram does not have to be drawn to scale. In your diagram...
 - a. Show, shade, and label both the umbra and penumbra. You only need to label one part of each.
 - b. Label the Sun, Earth, and Moon.

Label places on the Earth fitting these descriptions:
No eclipse

No eclipse

Partial Eclipse

Total Eclipse

Umbra

Solar Foliage

Solar Eclipse

Moon

Forth Noeclipse Partial Eclipse

(Sun

umbra

Perunbra

- 26. Create a diagram showing the umbra and penumbra during a partial lunar eclipse. Your diagram <u>does not</u> have to be drawn to scale. In your diagram...
 - a. Show, shade, and label both the umbra and penumbra. You only need to label one part of each.
 - b. Label the Sun, Earth, and Moon.
 - c. Make it obvious that this is what we call a partial lunar eclipse.

Partial Lunar Eclipse

Penumbra
umbra
Sun

Man

Earth