Name												
Intro	\mathbf{Astro}	Lab	Prep	Qui	iz: L	ab 4:	The	Moo	\mathbf{n}			
Instru	ctions Choose ided belo	S: Then the BI ow. Rea	re are 10 EST ansv d all resp	to 20 m wer, cor	ultiple- npletio carefully	-choice pron, etc., a.y. NOTI	oblems v nd DAR E long de	vorth 1 i	mark for ully the	approp	riate ci	o 20 marks rcle on the on hidden
	Ans	swer	Table	e for	the	Mult	iple-C	Choic	e Qu	estic	ons	
	a	b	$^{\mathrm{c}}$	d	e			a	b	c	d	e
1.	O	O	O	O	Ο		11.	O	O	O	O	O
2.	O	O	O	O	Ο		12.	O	O	O	O	O
3.	O	O	O	O	Ο		13.	O	O	O	O	O
4.	О	O	O	O	Ο		14.	O	O	O	O	O
5.	О	O	O	O	Ο		15.	O	O	O	O	O
6.	О	O	O	O	Ο		16.	O	O	O	O	O
7.	О	O	O	O	Ο		17.	O	O	O	O	O
8.	О	O	O	O	Ο		18.	O	O	O	O	O
9.	O	O	O	Ο	Ο		19.	Ο	O	O	O	O
10.	Ο	O	Ο	Ο	Ο		20.	Ο	Ο	O	Ο	O
1. The E	Earth and	l Moon	orbit		in		to	1st orde	er.			
c	the Early their m	utual c	enter of 1	mass; el	,	Earth's c	enter; ell eir mutua	_	of mas	s; ovals		
2. "Let's	s play <i>Jeo</i>	pardy!	For \$100	, the an	swer is:	It is the	center of	mass of	a gravi	tational	ly boun	d system."
	What is _											
) pericen) perige	ee d)	baromete	er e)	baryce	nter		
inertia define with 1 appro relativ are ex appro	al frames ed a funda respect to eximately vity (whi	has evo amental to that i inertia ch has h ial fram an iner	olved since inertial frames of the frames of the frames of the frames	the deframe (verame we like the confirming other)	ays of lays of lays which here also e Earth med so er thing nost pure	Isaac Nev ne called a ne called a ne called a ne called a far), gs, this marposes.	vton (164 absolute s inertial f e (at any	43–1727) space) arrames. y point) in unititis sti	ond reference of their reference	on thou ence fra eference ever, acc external g	ght the mes una es frame cording gravitat Earth's	tanding of fixed stars accelerated as could be to general ional fields as surface is
4. "Let's) picture s play Je rotation	opardy!					effect ca	uses the	e lunar	orbital	rotatio	n rate and
	What is _			_		Ü						

5. The standard lunar phases in time sequence are: new moon, waxing crescent, ______, waxing gibbous, full, waning gibbous, 3rd quarter, _____.

c) the ocean tide

d) the tide in the affairs of men

b) lunar phase

a) lunar libration

e) tidal locking

	c) 1st quarter; waning crescent e) quartic; Mornington Crescent
	Describe the Moon's phase on 1999 January 20. HINT: You could look up the answer (except in a xam situation), but do you really have to?
	 a) Waning crescent in the western sky at sunset. b) Waxing crescent in the western sky at sunset. c) A new moon in opposition. d) A full moon in the western sky at sunset. e) Waning gibbous moon in the eastern sky at sunrise.
	Let's play <i>Jeopardy!</i> For \$100, the answer is: This creature changes into a wolf on the night of the full noon."
	What is a, Alex?
	a) vampire b) zombie c) ghoul d) sasquatch e) werewolf
8. A	rare event is said to happen once in a:
	a) red moon. b) blue moon. c) wolf moon. d) black swan moon. e) harvest moon.
	full moons occurring at particular times of the year often have traditional names associated with them hat varying with culture. The traditional English name for a full moon in or near January is:
	a) June Moon. b) Wolf Moon. c) Juney Moon. d) Green Cheese Moon. e) Waning Moon.
10. T	Three prominent lunar craters on the near side of the Moon are:
	a) Copernicus, Pluto, Tycho. b) Copernicus, Plato, Groucho. c) Copernicus, Plato, Tycho. d) Copper-nickel, Plato, Tycho. e) Copper-nickel, Pluto, Groucho.

b) quarter full; morning crescent

a) quarter lit; waning crescent