Na	me:_												
Int	tro A	stro	Prep	o Qu	ıiz: L	ab 3	: Teles	cop	es				
altog table keyv	gether. ( e provid	Choose ed belo eyword	the <b>BE</b> ow. Reacher ls in such	ST and all res	swer, cor sponses c	npletio arefull	ce problems in, etc., and y. <b>NOTE</b> laced capital	DAF ong d	RKEN f	ully the	approp	riate ci	rcle on the
		An	swer	Tab!	le for	the	Multip	ole-(	Choic	e Qu	estic	ons	
		a	b	$\mathbf{c}$	d	e			a	b	c	d	e
	1.	O	О	O	О	O		6.	O	O	О	О	O
	2.	O	O	O	О	O		7.	O	O	О	О	O
	3.	O	O	O	O	O		8.	O	О	O	О	O
	4.	O	Ο	O	Ο	O		9.	O	O	O	О	O
	5.	O	O	O	O	O		10.	O	O	Ο	Ο	O
based on the nature of the telescope primary (or objective): for the former it is a lens; for the latter a mirror.  a) refractors; reflectors b) reflectors; refractors c) diffractors; integrators d) integrators; diffractors e) detractors; reenactors  2. Refractor telescopes are divided into Galilean and telescopes. The former give an upright image and latter a point inverted image. With point inversion each point of the source is rotated by 180° in the image about the optical axis of the telescope. The telescope quickly became favored for astronomy since it gives much wider field of view and the inversion is just accepted and adapted to. The inversion can be corrected for if you want to as in most binoculars. The telescope was invented theoretically by Johannes Kepler (1571–1630), but he never built one to our knowledge.													
	a)	Schein	erian	b) Du	tch	e) Kepl	erian d)	Newt	tonian	e) Scl	hmidt-C	Cassegra	in
	_	and a	correcto				s: This kind s) to correct			_			-
	Wl	nat is a	ւ		telescop	e, Alex	?						
	a)	Galilea	in b)	Kepler	rian (	e) New	tonian	d) Cas	ssegrain	e) S	chmidt		
	Thetelescop		tele	escope o	combines	the de	fining featu	res of	the Schn	nidt tele	escope a	and the	Cassegrain
	,		lt-Casseg an-Newto	_	,		Keplerian -Cassegrain	,	Gregoriar	ı-Newto	onian		

What is a/an \_\_\_\_\_, Alex?

a) finderscope b) reticule c) tube d) eyepiece e) star diagonal

by its focal length which for small telescopes is usually given in millimeters."

5. "Let's play *Jeopardy*! For \$100, the answer is: The optical device closest to the eye in a telescope. It is used to magnify the image created by the primary (AKA objective) of a telescope. The device is rated

6.	For most optical devices, "focused" means the light rays from a point source are converged to a/an image.							
	a) circle b) oval c) donut d) blurry e) point							
7.	"Let's play <i>Jeopardy</i> ! For \$100, the answer is: It is the distance along the optical axis of a lens or mirror to the point where light rays (originally parallel to the optical axis) converge (i.e., are focused) after interacting with the lens or mirror. It is among other things a measure of the light ray bending power of the lens or mirror. The shorter it is, the greater that power."							
	What is, Alex?							
	a) angular resolution (AKA resolving power) b) focal length c) image distance d) object distance e) focusing length							
8.	The magnification $M$ of common telescopes with an eyepiece is given by							
	$M = rac{f_p}{f_e} \; ,$							
	where $f_p$ is the primary (AKA objective) focal length and $f_e$ is the eyepiece focal length. If $f_p=2\mathrm{m}$ and $f_e=40\mathrm{mm}$ , then							
	a) $M = 1$ . b) $M = 20$ . c) $M = 40$ . d) $M = 50$ . e) $M = 0.05$ .							
9.	In a Schmidt-Cassegrain telescope with a star diagonal, the telescope itself gives a around the optical axis of the telescope and the star diagonal gives a around the axis perpendicular to the optical axes of the telescope and eyepiece.							
	<ul> <li>a) axis reflection; point inversion</li> <li>b) point inversion; axis reflection</li> <li>c) translation; axis reflection</li> <li>d) point inversion; translation</li> <li>e) translation; point inversion</li> </ul>							
10.	Field of view (FOV) is the angular diameter of the circular region seen through a telescope. As magnification increases, field of view Another meaning of field of view is just the region seen through the telescope. Context as usual must decide the meaning meant.							
	a) fluctuates b) stays the same c) increases d) decreases e) fluctuates wildly							