NAM	DATE:
	QUIZ
	CYTOPREPARATION No. 5
1.	Which of the following properties of mounting media influence image quality?
	a. Color
	b. Viscosity
	c. Refractive index
	d. Thickness
	e. Solvent
2.	For what thickness of cover glass are
	American-made objectives corrected?
	a. 0.13 mm
	b. 0.15 mm
	c. 0.16 mm
	d. 0.17 mm
	e. 0.18 mm
3.	Match the No. thickness of cover glass to its application:
	a. No. 0 Cell spreads on a micro slide
	b. No. 1 Tissue under oil immersion
	c. No. 1-1/2 "Cooked" monolayer cell spreads
	d. No. 2 Nuclepore filters dissolved on a
	cover glass
	Cell spreads on a cover glass
4.	Low contrast images of cells can result from an excessively thick cover glass
	and a wide open aperture diaphragm. The former causes,
	while the latter causes
5.	T F Under ordinary conditions of use, an oil immersion objective is insensitive to cover glass thickness.
6.	T F The thickness of mounting medium under a cover glass is usually so small as to have no effect on image quality.
7.	Which one of the following properties of a mounting medium are responsible for the transparency of membrane filters?
	a. Dispersion
	b. Viscosity
	c. Refractive index

d. Solvent e. Acid number

filter cannot be made invisible by mounting the filter in a way based on the principle used for cellulosic filters because Nuclepore filters are made of a material which is: Isotropic a. b. Anisotropic Birefringent c. d. Doubly refracting e. Irradiated 9. Annual band formation in a mounting medium can be prevented by the addition of: a. Anti-oxidant b. Anti-reductant c. 2,6-di-tert.-butyl-p-cresol d. Oil soluble resin e. Plasticizer 10. In a microscope adjusted for Kohler illumination, which one of the following controls affects image quality most noticeably - especially under 40X? Field diaphragm a. Substage condenser diaphragm b. Auxiliary swing-in condenser c. Substage condenser height d. Centration of field diaphragm e. EXTRA CREDIT Complete the following statement. 11. With regard to image formation, in a microscope cleanliness i next to

The boundaries of the pores in a Nucleopore

8.