28	Lig	Light of a single wavelength is incident normally on a diffraction grating.								
	The resulting diffraction pattern is displayed on a screen.									
	Which change makes the first orders of intensity maxima further apart from each other on the screen?									
	A	placing the screen closer to the diffraction grating								
	В	using a diffraction grating with less separation between adjacent slits								
	С	using a diffraction grating with more slits but keeping the same separation between adjacent slits								
	D	using light with a shorter wavelength								
29	For	or a current-carrying wire, the current can be calculated using the equation shown.								
	I = Anvq									
	Wh	/hat is the meaning of <i>n</i> ?								
	Α	the number of charge carriers in the wire								
	В	the number of charge carriers multiplied by the volume of the wire								
	С	the number of charge carriers per unit length of the wire								
	D	the number of charge carriers per unit volume of the wire								
	-									
30	The	The number of free electrons passing a point in a wire in 24 hours is 6.0×10^{23} .								
	Wh	What is the average current in the wire?								
	Α	6.3 pA	В	1.1 A	С	67 A	D	4.0 kA		