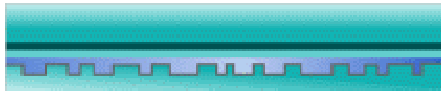
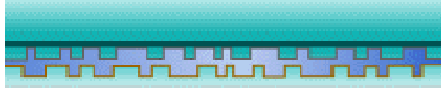
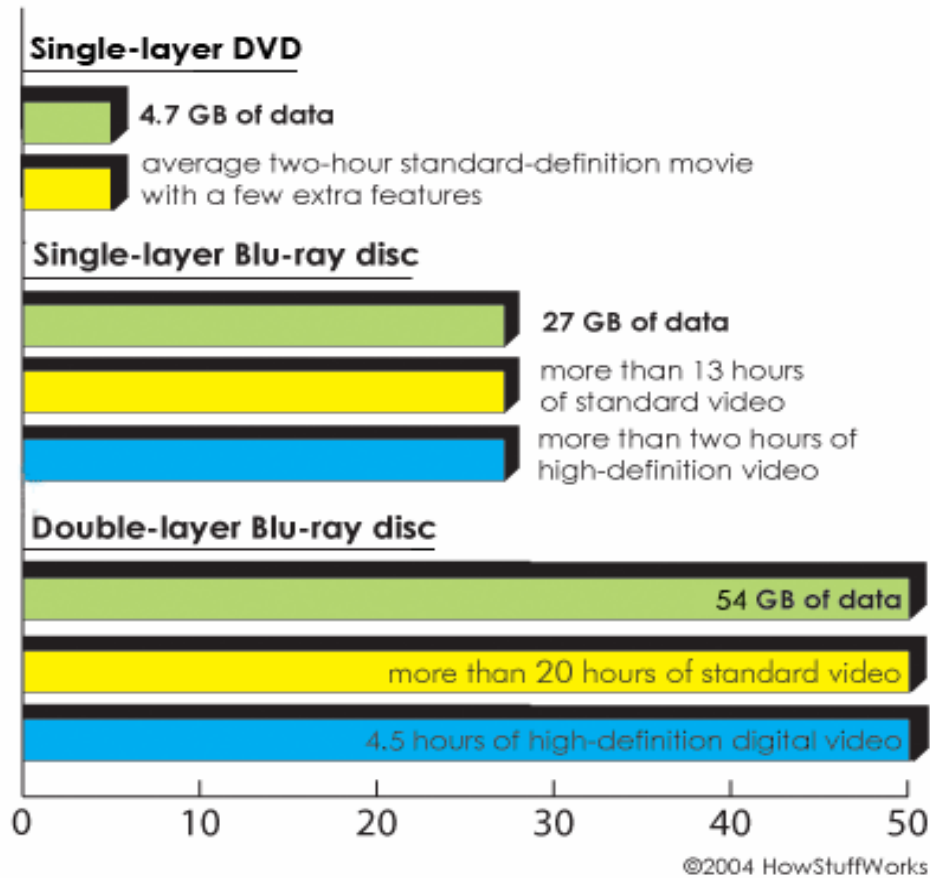


DVD Chart

Name	Capacity	Side/Layer	
DVD-5	4.7 GB	(1 side, 1 layer)	Single-sided, single layer (4.7GB) 
DVD-9:	8.5 GB	(1 side, 2 layers)	Single-sided, double layer (8.5GB) 
DVD-10:	9.4 GB	(2 sides, 1 layer each)	
DVD-18:	17.0 GB	(2 sides, 2 layers)	
DVD-R: (write once)	4.7 GB	(1 side, 1 layer)	
DVD-RAM:(rewritable)	2.6 GB	(per side, 1 layer)	

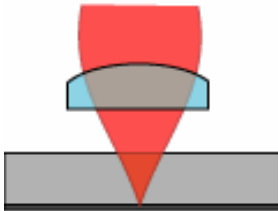
Blu-ray vs. DVD Capacity



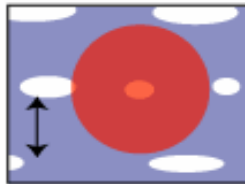
CD vs. DVD vs. Blu-ray Writing

CD

780-nm Red Laser
Lens Aperture = 0.45



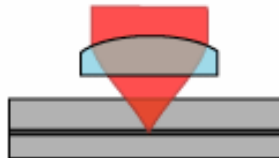
One 1.2-mm polycarbonate layer



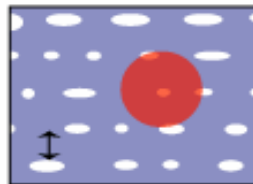
track pitch = $1.6\mu\text{m}$

DVD

650-nm Red Laser
Lens Aperture = 0.6



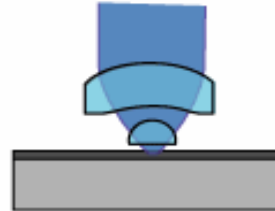
Two 0.6-mm polycarbonate layers



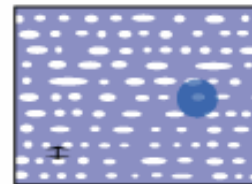
track pitch = $.74\mu\text{m}$

BD

405-nm Blue Laser
Lens Aperture = 0.8



One 1.1-mm polycarbonate layer



track pitch = $.30\mu\text{m}$

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