

Planet Comparison Handout	
Planet	Gravity (m/s)
Mercury	3.70
Venus	8.87
Earth	9.80
Mars	3.71
Jupiter	24.92
Uranus	8.87
Neptune	11.15

Weight Calculations

Weight = Mass x Gravity

Mass of object = 10 g

Mercury	Weight = 10 x 3.70 = _____	
Venus	Weight = 10 x 8.87 = _____	
Earth	Weight = 10 x 9.80 = _____	
Mars	Weight = 10 x 3.71 = _____	
Jupiter	Weight = 10 x 24.92 = _____	
Uranus	Weight = 10 x 8.87 = _____	
Neptune	Weight = 10 x 11.15 = _____	

Did the object weigh the same on all of the planets? Why or why not?