

Mass, weight & gravity: What about 'em?	Grade 6: Space														
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														
<p>Weight Calculations</p> <p>Weight = Mass x Gravity</p> <p><i>Mass of object = 10 g</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">Mercury</td> <td style="padding-left: 20px;">Weight = 10 x 3.70 = _____</td> </tr> <tr> <td>Venus</td> <td style="padding-left: 20px;">Weight = 10 x 8.87 = _____</td> </tr> <tr> <td>Earth</td> <td style="padding-left: 20px;">Weight = 10 x 9.80 = _____</td> </tr> <tr> <td>Mars</td> <td style="padding-left: 20px;">Weight = 10 x 3.71 = _____</td> </tr> <tr> <td>Jupiter</td> <td style="padding-left: 20px;">Weight = 10 x 24.92 = _____</td> </tr> <tr> <td>Uranus</td> <td style="padding-left: 20px;">Weight = 10 x 8.87 = _____</td> </tr> <tr> <td>Neptune</td> <td style="padding-left: 20px;">Weight = 10 x 11.15 = _____</td> </tr> </table>		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 = _____
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Did the object weigh the same on all of the planets? Why or why not?